



BARGE "KIRBY 30087"

ULLAGE TRIM TABLE

EX: WTC 3018

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
2 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

April 3, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 30087"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,949.49	0	4,591.22	0	4,232.95	0	3,874.67	0	3,516.40	0	3,158.13	0	2,799.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.03	1/4	4,583.75	1/4	4,225.48	1/4	3,867.21	1/4	3,508.93	1/4	3,150.66	1/4	2,792.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.56	1/2	4,576.29	1/2	4,218.02	1/2	3,859.74	1/2	3,501.47	1/2	3,143.20	1/2	2,784.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,927.10	3/4	4,568.83	3/4	4,210.56	3/4	3,852.28	3/4	3,494.01	3/4	3,135.73	3/4	2,777.46		
1	1	1	1	1	1	1	4,919.63	1	4,561.36	1	4,203.09	1	3,844.82	1	3,486.54	1	3,128.27	1	2,770.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,912.17	1/4	4,553.90	1/4	4,195.63	1/4	3,837.35	1/4	3,479.08	1/4	3,120.80	1/4	2,762.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,904.70	1/2	4,546.43	1/2	4,188.16	1/2	3,829.89	1/2	3,471.62	1/2	3,113.34	1/2	2,755.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,897.24	3/4	4,538.97	3/4	4,180.70	3/4	3,822.43	3/4	3,464.15	3/4	3,105.88	3/4	2,747.61		
2	2	2	2	2	2	2	4,889.78	2	4,531.51	2	4,173.23	2	3,814.96	2	3,456.69	2	3,098.41	2	2,740.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.31	1/4	4,524.04	1/4	4,165.77	1/4	3,807.50	1/4	3,449.22	1/4	3,090.95	1/4	2,732.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.85	1/2	4,516.58	1/2	4,158.30	1/2	3,800.03	1/2	3,441.76	1/2	3,083.49	1/2	2,725.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.39	3/4	4,509.12	3/4	4,150.84	3/4	3,792.57	3/4	3,434.29	3/4	3,076.02	3/4	2,717.75		
3	3	3	3	3	3	3	4,859.92	3	4,501.65	3	4,143.38	3	3,785.11	3	3,426.83	3	3,068.56	3	2,710.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,852.46	1/4	4,494.19	1/4	4,135.91	1/4	3,777.64	1/4	3,419.36	1/4	3,061.09	1/4	2,702.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.99	1/2	4,486.72	1/2	4,128.45	1/2	3,770.18	1/2	3,411.90	1/2	3,053.63	1/2	2,695.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,837.53	3/4	4,479.26	3/4	4,120.99	3/4	3,762.72	3/4	3,404.44	3/4	3,046.17	3/4	2,687.89		
4	4	4	4	4	4	4	4,830.07	4	4,471.79	4	4,113.52	4	3,755.25	4	3,396.97	4	3,038.70	4	2,680.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.60	1/4	4,464.33	1/4	4,106.06	1/4	3,747.79	1/4	3,389.51	1/4	3,031.24	1/4	2,672.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.14	1/2	4,456.86	1/2	4,098.59	1/2	3,740.32	1/2	3,382.05	1/2	3,023.78	1/2	2,665.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,807.68	3/4	4,449.40	3/4	4,091.13	3/4	3,732.86	3/4	3,374.58	3/4	3,016.31	3/4	2,658.04		
5	5	5	5	5	5	5	4,800.21	5	4,441.94	5	4,083.67	5	3,725.39	5	3,367.12	5	3,008.85	5	2,650.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.75	1/4	4,434.47	1/4	4,076.20	1/4	3,717.93	1/4	3,359.65	1/4	3,001.38	1/4	2,643.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,061.36	1/2	4,785.28	1/2	4,427.01	1/2	4,068.74	1/2	3,710.46	1/2	3,352.19	1/2	2,993.92	1/2	2,635.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.52	3/4	4,777.82	3/4	4,419.55	3/4	4,061.28	3/4	3,703.00	3/4	3,344.73	3/4	2,986.45	3/4	2,628.18
6	6	6	6	6	6	6	5,059.67	6	4,770.35	6	4,412.08	6	4,053.81	6	3,695.54	6	3,337.26	6	2,978.99	6	2,620.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,058.83	1/4	4,762.89	1/4	4,404.62	1/4	4,046.35	1/4	3,688.07	1/4	3,329.80	1/4	2,971.52	1/4	2,613.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,057.98	1/2	4,755.42	1/2	4,397.15	1/2	4,038.88	1/2	3,680.61	1/2	3,322.34	1/2	2,964.06	1/2	2,605.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.95	3/4	4,747.96	3/4	4,389.69	3/4	4,031.42	3/4	3,673.15	3/4	3,314.87	3/4	2,956.60	3/4	2,598.33
7	7	7	7	7	7	7	5,053.92	7	4,740.50	7	4,382.23	7	4,023.95	7	3,665.68	7	3,307.41	7	2,949.13	7	2,590.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,051.88	1/4	4,733.03	1/4	4,374.76	1/4	4,016.49	1/4	3,658.22	1/4	3,299.94	1/4	2,941.67	1/4	2,583.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.85	1/2	4,725.57	1/2	4,367.30	1/2	4,009.02	1/2	3,650.75	1/2	3,292.48	1/2	2,934.21	1/2	2,575.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.46	3/4	4,718.11	3/4	4,359.84	3/4	4,001.56	3/4	3,643.29	3/4	3,285.01	3/4	2,926.74	3/4	2,568.47
8	8	8	8	8	8	8	5,043.08	8	4,710.64	8	4,352.37	8	3,994.10	8	3,635.83	8	3,277.55	8	2,919.28	8	2,561.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,039.69	1/4	4,703.18	1/4	4,344.91	1/4	3,986.63	1/4	3,628.36	1/4	3,270.08	1/4	2,911.81	1/4	2,553.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,036.30	1/2	4,695.71	1/2	4,337.44	1/2	3,979.17	1/2	3,620.90	1/2	3,262.62	1/2	2,904.35	1/2	2,546.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.56	3/4	4,688.25	3/4	4,329.98	3/4	3,971.71	3/4	3,613.43	3/4	3,255.16	3/4	2,896.89	3/4	2,538.61
9	9	9	9	9	9	9	5,026.81	9	4,680.79	9	4,322.51	9	3,964.24	9	3,605.97	9	3,247.69	9	2,889.42	9	2,531.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.07	1/4	4,673.32	1/4	4,315.05	1/4	3,956.78	1/4	3,598.50	1/4	3,240.23	1/4	2,881.96	1/4	2,523.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,017.32	1/2	4,665.86	1/2	4,307.58	1/2	3,949.31	1/2	3,591.04	1/2	3,232.77	1/2	2,874.50	1/2	2,516.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.22	3/4	4,658.40	3/4	4,300.12	3/4	3,941.85	3/4	3,583.57	3/4	3,225.30	3/4	2,867.03	3/4	2,508.76
10	10	10	10	10	10	10	5,005.12	10	4,650.93	10	4,292.66	10	3,934.39	10	3,576.11	10	3,217.84	10	2,859.57	10	2,501.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,999.01	1/4	4,643.47	1/4	4,285.19	1/4	3,926.92	1/4	3,568.64	1/4	3,210.37	1/4	2,852.10	1/4	2,493.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.91	1/2	4,636.00	1/2	4,277.73	1/2	3,919.46	1/2	3,561.18	1/2	3,202.91	1/2	2,844.64	1/2	2,486.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,985.79	3/4	4,628.54	3/4	4,270.27	3/4	3,912.00	3/4	3,553.72	3/4	3,195.45	3/4	2,837.17	3/4	2,478.90
11	11	11	11	11	11	11	4,978.67	11	4,621.07	11	4,262.80	11	3,904.53	11	3,546.25	11	3,187.98	11	2,829.71	11	2,471.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.54	1/4	4,613.61	1/4	4,255.34	1/4	3,897.07	1/4	3,538.79	1/4	3,180.52	1/4	2,822.24	1/4	2,463.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.42	1/2	4,606.14	1/2	4,247.87	1/2	3,889.60	1/2	3,531.33	1/2	3,173.06	1/2	2,814.78	1/2	2,456.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,956.96	3/4	4,598.68	3/4	4,240.41	3/4	3,882.14	3/4	3,523.86	3/4	3,165.59	3/4	2,807.32	3/4	2,449.05

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43' 06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 30087"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,441.58	0	2,083.31	0	1,725.04	0	1,366.77	0	1,008.50	0	650.28	0	299.48	0		0		0	
1/4	2,434.12	1/4	2,075.84	1/4	1,717.57	1/4	1,359.30	1/4	1,001.04	1/4	642.81	1/4	292.55	1/4	1/4	1/4		1/4	
1/2	2,426.66	1/2	2,068.38	1/2	1,710.11	1/2	1,351.84	1/2	993.58	1/2	635.35	1/2	285.61	1/2	1/2	1/2		1/2	
3/4	2,419.19	3/4	2,060.92	3/4	1,702.64	3/4	1,344.37	3/4	986.12	3/4	627.89	3/4	278.67	3/4	3/4	3/4		3/4	
1	2,411.73	1	2,053.45	1	1,695.18	1	1,336.91	1	978.65	1	620.42	1	271.73	1	1	1		1	
1/4	2,404.26	1/4	2,045.99	1/4	1,687.71	1/4	1,329.44	1/4	971.19	1/4	612.96	1/4	264.80	1/4	1/4	1/4		1/4	
1/2	2,396.80	1/2	2,038.53	1/2	1,680.25	1/2	1,321.98	1/2	963.73	1/2	605.50	1/2	257.86	1/2	1/2	1/2		1/2	
3/4	2,389.33	3/4	2,031.06	3/4	1,672.79	3/4	1,314.52	3/4	956.26	3/4	598.04	3/4	251.02	3/4	3/4	3/4		3/4	
2	2,381.87	2	2,023.60	2	1,665.32	2	1,307.05	2	948.80	2	590.57	2	244.19	2	2	2		2	
1/4	2,374.40	1/4	2,016.13	1/4	1,657.86	1/4	1,299.59	1/4	941.33	1/4	583.11	1/4	237.35	1/4	1/4	1/4		1/4	
1/2	2,366.94	1/2	2,008.67	1/2	1,650.40	1/2	1,292.13	1/2	933.87	1/2	575.65	1/2	230.52	1/2	1/2	1/2		1/2	
3/4	2,359.48	3/4	2,001.21	3/4	1,642.93	3/4	1,284.66	3/4	926.41	3/4	568.19	3/4	223.79	3/4	3/4	3/4		3/4	
3	2,352.01	3	1,993.74	3	1,635.47	3	1,277.20	3	918.94	3	560.72	3	217.06	3	3	3		3	
1/4	2,344.55	1/4	1,986.28	1/4	1,628.00	1/4	1,269.73	1/4	911.48	1/4	553.26	1/4	210.33	1/4	1/4	1/4		1/4	
1/2	2,337.09	1/2	1,978.82	1/2	1,620.54	1/2	1,262.27	1/2	904.02	1/2	545.80	1/2	203.60	1/2	1/2	1/2		1/2	
3/4	2,329.62	3/4	1,971.35	3/4	1,613.08	3/4	1,254.81	3/4	896.56	3/4	538.34	3/4	196.87	3/4	3/4	3/4		3/4	
4	2,322.16	4	1,963.89	4	1,605.61	4	1,247.34	4	889.09	4	530.87	4	190.13	4	4	4		4	
1/4	2,314.69	1/4	1,956.42	1/4	1,598.15	1/4	1,239.88	1/4	881.63	1/4	523.41	1/4	183.40	1/4	1/4	1/4		1/4	
1/2	2,307.23	1/2	1,948.96	1/2	1,590.69	1/2	1,232.42	1/2	874.17	1/2	515.95	1/2	176.67	1/2	1/2	1/2		1/2	
3/4	2,299.74	3/4	1,941.49	3/4	1,583.22	3/4	1,224.95	3/4	866.71	3/4	508.55	3/4	170.04	3/4	3/4	3/4		3/4	
5	2,292.25	5	1,934.03	5	1,575.76	5	1,217.48	5	859.24	5	501.14	5	163.41	5	5	5		5	
1/4	2,284.77	1/4	1,926.56	1/4	1,568.29	1/4	1,210.02	1/4	851.78	1/4	493.74	1/4	156.78	1/4	1/4	1/4		1/4	
1/2	2,277.28	1/2	1,919.10	1/2	1,560.83	1/2	1,202.55	1/2	844.32	1/2	486.34	1/2	150.15	1/2	1/2	1/2		1/2	
3/4	2,269.84	3/4	1,911.64	3/4	1,553.37	3/4	1,195.09	3/4	836.86	3/4	478.99	3/4	143.62	3/4	3/4	3/4		3/4	
6	2,262.40	6	1,904.17	6	1,545.90	6	1,187.62	6	829.39	6	471.65	6	137.09	6	6	6		6	
1/4	2,254.96	1/4	1,896.71	1/4	1,538.44	1/4	1,180.16	1/4	821.93	1/4	464.30	1/4	130.57	1/4	1/4	1/4		1/4	
1/2	2,247.52	1/2	1,889.25	1/2	1,530.98	1/2	1,172.70	1/2	814.47	1/2	456.96	1/2	124.04	1/2	1/2	1/2		1/2	
3/4	2,240.05	3/4	1,881.78	3/4	1,523.51	3/4	1,165.24	3/4	807.00	3/4	449.62	3/4	117.51	3/4	3/4	3/4		3/4	
7	2,232.59	7	1,874.32	7	1,516.05	7	1,157.77	7	799.54	7	442.27	7	110.98	7	7	7		7	
1/4	2,225.12	1/4	1,866.85	1/4	1,508.58	1/4	1,150.31	1/4	792.07	1/4	434.93	1/4	104.46	1/4	1/4	1/4		1/4	
1/2	2,217.66	1/2	1,859.39	1/2	1,501.12	1/2	1,142.85	1/2	784.61	1/2	427.59	1/2	97.93	1/2	1/2	1/2		1/2	
3/4	2,210.20	3/4	1,851.93	3/4	1,493.65	3/4	1,135.38	3/4	777.15	3/4	420.35	3/4	91.50	3/4	3/4	3/4		3/4	
8	2,202.73	8	1,844.46	8	1,486.19	8	1,127.92	8	769.68	8	413.10	8	85.08	8	8	8		8	
1/4	2,195.27	1/4	1,837.00	1/4	1,478.72	1/4	1,120.45	1/4	762.22	1/4	405.86	1/4	78.65	1/4	1/4	1/4		1/4	
1/2	2,187.81	1/2	1,829.54	1/2	1,471.26	1/2	1,112.99	1/2	754.76	1/2	398.62	1/2	72.23	1/2	1/2	1/2		1/2	
3/4	2,180.34	3/4	1,822.07	3/4	1,463.80	3/4	1,105.53	3/4	747.30	3/4	391.48	3/4	66.58	3/4	3/4	3/4		3/4	
9	2,172.88	9	1,814.61	9	1,456.33	9	1,098.06	9	739.83	9	384.34	9	60.92	9	9	9		9	
1/4	2,165.41	1/4	1,807.14	1/4	1,448.87	1/4	1,090.60	1/4	732.37	1/4	377.21	1/4	55.27	1/4	1/4	1/4		1/4	
1/2	2,157.95	1/2	1,799.68	1/2	1,441.41	1/2	1,083.14	1/2	724.91	1/2	370.07	1/2	49.62	1/2	1/2	1/2		1/2	
3/4	2,150.49	3/4	1,792.21	3/4	1,433.94	3/4	1,075.67	3/4	717.45	3/4	362.93	3/4	44.90	3/4	3/4	3/4		3/4	
10	2,143.02	10	1,784.75	10	1,426.48	10	1,068.21	10	709.98	10	355.79	10	40.19	10	10	10		10	
1/4	2,135.56	1/4	1,777.28	1/4	1,419.01	1/4	1,060.74	1/4	702.52	1/4	348.65	1/4	35.47	1/4	1/4	1/4		1/4	
1/2	2,128.10	1/2	1,769.82	1/2	1,411.55	1/2	1,053.28	1/2	695.06	1/2	341.51	1/2	30.76	1/2	1/2	1/2		1/2	
3/4	2,120.63	3/4	1,762.36	3/4	1,404.09	3/4	1,045.82	3/4	687.60	3/4	334.47	3/4	27.22	3/4	3/4	3/4		3/4	
11	2,113.17	11	1,754.89	11	1,396.62	11	1,038.35	11	680.13	11	327.43	11	23.67	11	11	11		11	
1/4	2,105.70	1/4	1,747.43	1/4	1,389.16	1/4	1,030.89	1/4	672.67	1/4	320.40	1/4	20.13	1/4	1/4	1/4		1/4	
1/2	2,098.24	1/2	1,739.97	1/2	1,381.70	1/2	1,023.43	1/2	665.21	1/2	313.36	1/2	16.59	1/2	1/2	1/2		1/2	
3/4	2,090.77	3/4	1,732.50	3/4	1,374.23	3/4	1,015.97	3/4	657.74	3/4	306.42	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,949.49	0	4,591.22	0	4,232.95	0	3,874.67	0	3,516.40	0	3,158.13	0	2,799.85
1/4		1/4		1/4		1/4	4,942.03	1/4	4,583.75	1/4	4,225.48	1/4	3,867.21	1/4	3,508.93	1/4	3,150.66	1/4	2,792.39
1/2		1/2		1/2		1/2	4,934.56	1/2	4,576.29	1/2	4,218.02	1/2	3,859.74	1/2	3,501.47	1/2	3,143.20	1/2	2,784.93
3/4		3/4		3/4		3/4	4,927.10	3/4	4,568.83	3/4	4,210.56	3/4	3,852.28	3/4	3,494.01	3/4	3,135.73	3/4	2,777.46
1		1		1		1	4,919.63	1	4,561.36	1	4,203.09	1	3,844.82	1	3,486.54	1	3,128.27	1	2,770.00
1/4		1/4		1/4		1/4	4,912.17	1/4	4,553.90	1/4	4,195.63	1/4	3,837.35	1/4	3,479.08	1/4	3,120.80	1/4	2,762.53
1/2		1/2		1/2		1/2	4,904.70	1/2	4,546.43	1/2	4,188.16	1/2	3,829.89	1/2	3,471.62	1/2	3,113.34	1/2	2,755.07
3/4		3/4		3/4		3/4	4,897.24	3/4	4,538.97	3/4	4,180.70	3/4	3,822.43	3/4	3,464.15	3/4	3,105.88	3/4	2,747.61
2		2		2		2	4,889.78	2	4,531.51	2	4,173.23	2	3,814.96	2	3,456.69	2	3,098.41	2	2,740.14
1/4		1/4		1/4		1/4	4,882.31	1/4	4,524.04	1/4	4,165.77	1/4	3,807.50	1/4	3,449.22	1/4	3,090.95	1/4	2,732.68
1/2		1/2		1/2		1/2	4,874.85	1/2	4,516.58	1/2	4,158.30	1/2	3,800.03	1/2	3,441.76	1/2	3,083.49	1/2	2,725.22
3/4		3/4		3/4		3/4	4,867.39	3/4	4,509.12	3/4	4,150.84	3/4	3,792.57	3/4	3,434.29	3/4	3,076.02	3/4	2,717.75
3		3		3		3	4,859.92	3	4,501.65	3	4,143.38	3	3,785.11	3	3,426.83	3	3,068.56	3	2,710.29
1/4		1/4		1/4		1/4	4,852.46	1/4	4,494.19	1/4	4,135.91	1/4	3,777.64	1/4	3,419.36	1/4	3,061.09	1/4	2,702.82
1/2		1/2		1/2		1/2	4,844.99	1/2	4,486.72	1/2	4,128.45	1/2	3,770.18	1/2	3,411.90	1/2	3,053.63	1/2	2,695.36
3/4		3/4		3/4		3/4	4,837.53	3/4	4,479.26	3/4	4,120.99	3/4	3,762.72	3/4	3,404.44	3/4	3,046.17	3/4	2,687.89
4		4		4		4	4,830.07	4	4,471.79	4	4,113.52	4	3,755.25	4	3,396.97	4	3,038.70	4	2,680.43
1/4		1/4		1/4		1/4	4,822.60	1/4	4,464.33	1/4	4,106.06	1/4	3,747.79	1/4	3,389.51	1/4	3,031.24	1/4	2,672.96
1/2		1/2		1/2		1/2	4,815.14	1/2	4,456.86	1/2	4,098.59	1/2	3,740.32	1/2	3,382.05	1/2	3,023.78	1/2	2,665.50
3/4		3/4		3/4		3/4	4,807.68	3/4	4,449.40	3/4	4,091.13	3/4	3,732.86	3/4	3,374.58	3/4	3,016.31	3/4	2,658.04
5		5		5		5	4,800.21	5	4,441.94	5	4,083.67	5	3,725.39	5	3,367.12	5	3,008.85	5	2,650.57
1/4		1/4		1/4		1/4	4,792.75	1/4	4,434.47	1/4	4,076.20	1/4	3,717.93	1/4	3,359.65	1/4	3,001.38	1/4	2,643.11
1/2		1/2		1/2	5,061.36	1/2	4,785.28	1/2	4,427.01	1/2	4,068.74	1/2	3,710.46	1/2	3,352.19	1/2	2,993.92	1/2	2,635.65
3/4		3/4		3/4	5,060.52	3/4	4,777.82	3/4	4,419.55	3/4	4,061.28	3/4	3,703.00	3/4	3,344.73	3/4	2,986.45	3/4	2,628.18
6		6		6	5,059.67	6	4,770.35	6	4,412.08	6	4,053.81	6	3,695.54	6	3,337.26	6	2,978.99	6	2,620.72
1/4		1/4		1/4	5,058.83	1/4	4,762.89	1/4	4,404.62	1/4	4,046.35	1/4	3,688.07	1/4	3,329.80	1/4	2,971.52	1/4	2,613.25
1/2		1/2		1/2	5,057.98	1/2	4,755.42	1/2	4,397.15	1/2	4,038.88	1/2	3,680.61	1/2	3,322.34	1/2	2,964.06	1/2	2,605.79
3/4		3/4		3/4	5,055.95	3/4	4,747.96	3/4	4,389.69	3/4	4,031.42	3/4	3,673.15	3/4	3,314.87	3/4	2,956.60	3/4	2,598.33
7		7		7	5,053.92	7	4,740.50	7	4,382.23	7	4,023.95	7	3,665.68	7	3,307.41	7	2,949.13	7	2,590.86
1/4		1/4		1/4	5,051.88	1/4	4,733.03	1/4	4,374.76	1/4	4,016.49	1/4	3,658.22	1/4	3,299.94	1/4	2,941.67	1/4	2,583.40
1/2		1/2		1/2	5,049.85	1/2	4,725.57	1/2	4,367.30	1/2	4,009.02	1/2	3,650.75	1/2	3,292.48	1/2	2,934.21	1/2	2,575.94
3/4		3/4		3/4	5,046.46	3/4	4,718.11	3/4	4,359.84	3/4	4,001.56	3/4	3,643.29	3/4	3,285.01	3/4	2,926.74	3/4	2,568.47
8		8		8	5,043.08	8	4,710.64	8	4,352.37	8	3,994.10	8	3,635.83	8	3,277.55	8	2,919.28	8	2,561.01
1/4		1/4		1/4	5,039.69	1/4	4,703.18	1/4	4,344.91	1/4	3,986.63	1/4	3,628.36	1/4	3,270.08	1/4	2,911.81	1/4	2,553.54
1/2		1/2		1/2	5,036.30	1/2	4,695.71	1/2	4,337.44	1/2	3,979.17	1/2	3,620.90	1/2	3,262.62	1/2	2,904.35	1/2	2,546.08
3/4		3/4		3/4	5,031.56	3/4	4,688.25	3/4	4,329.98	3/4	3,971.71	3/4	3,613.43	3/4	3,255.16	3/4	2,896.89	3/4	2,538.61
9		9		9	5,026.81	9	4,680.79	9	4,322.51	9	3,964.24	9	3,605.97	9	3,247.69	9	2,889.42	9	2,531.15
1/4		1/4		1/4	5,022.07	1/4	4,673.32	1/4	4,315.05	1/4	3,956.78	1/4	3,598.50	1/4	3,240.23	1/4	2,881.96	1/4	2,523.68
1/2		1/2		1/2	5,017.32	1/2	4,665.86	1/2	4,307.58	1/2	3,949.31	1/2	3,591.04	1/2	3,232.77	1/2	2,874.50	1/2	2,516.22
3/4		3/4		3/4	5,011.22	3/4	4,658.40	3/4	4,300.12	3/4	3,941.85	3/4	3,583.57	3/4	3,225.30	3/4	2,867.03	3/4	2,508.76
10		10		10	5,005.12	10	4,650.93	10	4,292.66	10	3,934.39	10	3,576.11	10	3,217.84	10	2,859.57	10	2,501.29
1/4		1/4		1/4	4,999.01	1/4	4,643.47	1/4	4,285.19	1/4	3,926.92	1/4	3,568.64	1/4	3,210.37	1/4	2,852.10	1/4	2,493.83
1/2		1/2		1/2	4,992.91	1/2	4,636.00	1/2	4,277.73	1/2	3,919.46	1/2	3,561.18	1/2	3,202.91	1/2	2,844.64	1/2	2,486.37
3/4		3/4		3/4	4,985.79	3/4	4,628.54	3/4	4,270.27	3/4	3,912.00	3/4	3,553.72	3/4	3,195.45	3/4	2,837.17	3/4	2,478.90
11		11		11	4,978.67	11	4,621.07	11	4,262.80	11	3,904.53	11	3,546.25	11	3,187.98	11	2,829.71	11	2,471.44
1/4		1/4		1/4	4,971.54	1/4	4,613.61	1/4	4,255.34	1/4	3,897.07	1/4	3,538.79	1/4	3,180.52	1/4	2,822.24	1/4	2,463.97
1/2		1/2		1/2	4,964.42	1/2	4,606.14	1/2	4,247.87	1/2	3,889.60	1/2	3,531.33	1/2	3,173.06	1/2	2,814.78	1/2	2,456.51
3/4		3/4		3/4	4,956.96	3/4	4,598.68	3/4	4,240.41	3/4	3,882.14	3/4	3,523.86	3/4	3,165.59	3/4	2,807.32	3/4	2,449.05

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43' 06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30087"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,441.58	0	2,083.31	0	1,725.04	0	1,366.77	0	1,008.50	0	650.28	0	299.48	0		0		0	
1/4	2,434.12	1/4	2,075.84	1/4	1,717.57	1/4	1,359.30	1/4	1,001.04	1/4	642.81	1/4	292.55	1/4	1/4	1/4		1/4	1/4
1/2	2,426.66	1/2	2,068.38	1/2	1,710.11	1/2	1,351.84	1/2	993.58	1/2	635.35	1/2	285.61	1/2	1/2	1/2		1/2	1/2
3/4	2,419.19	3/4	2,060.92	3/4	1,702.64	3/4	1,344.37	3/4	986.12	3/4	627.89	3/4	278.67	3/4	3/4	3/4		3/4	3/4
1	2,411.73	1	2,053.45	1	1,695.18	1	1,336.91	1	978.65	1	620.42	1	271.73	1	1	1		1	1
1/4	2,404.26	1/4	2,045.99	1/4	1,687.71	1/4	1,329.44	1/4	971.19	1/4	612.96	1/4	264.80	1/4	1/4	1/4		1/4	1/4
1/2	2,396.80	1/2	2,038.53	1/2	1,680.25	1/2	1,321.98	1/2	963.73	1/2	605.50	1/2	257.86	1/2	1/2	1/2		1/2	1/2
3/4	2,389.33	3/4	2,031.06	3/4	1,672.79	3/4	1,314.52	3/4	956.26	3/4	598.04	3/4	251.02	3/4	3/4	3/4		3/4	3/4
2	2,381.87	2	2,023.60	2	1,665.32	2	1,307.05	2	948.80	2	590.57	2	244.19	2	2	2		2	2
1/4	2,374.40	1/4	2,016.13	1/4	1,657.86	1/4	1,299.59	1/4	941.33	1/4	583.11	1/4	237.35	1/4	1/4	1/4		1/4	1/4
1/2	2,366.94	1/2	2,008.67	1/2	1,650.40	1/2	1,292.13	1/2	933.87	1/2	575.65	1/2	230.52	1/2	1/2	1/2		1/2	1/2
3/4	2,359.48	3/4	2,001.21	3/4	1,642.93	3/4	1,284.66	3/4	926.41	3/4	568.19	3/4	223.79	3/4	3/4	3/4		3/4	3/4
3	2,352.01	3	1,993.74	3	1,635.47	3	1,277.20	3	918.94	3	560.72	3	217.06	3	3	3		3	3
1/4	2,344.55	1/4	1,986.28	1/4	1,628.00	1/4	1,269.73	1/4	911.48	1/4	553.26	1/4	210.33	1/4	1/4	1/4		1/4	1/4
1/2	2,337.09	1/2	1,978.82	1/2	1,620.54	1/2	1,262.27	1/2	904.02	1/2	545.80	1/2	203.60	1/2	1/2	1/2		1/2	1/2
3/4	2,329.62	3/4	1,971.35	3/4	1,613.08	3/4	1,254.81	3/4	896.56	3/4	538.34	3/4	196.87	3/4	3/4	3/4		3/4	3/4
4	2,322.16	4	1,963.89	4	1,605.61	4	1,247.34	4	889.09	4	530.87	4	190.13	4	4	4		4	4
1/4	2,314.69	1/4	1,956.42	1/4	1,598.15	1/4	1,239.88	1/4	881.63	1/4	523.41	1/4	183.40	1/4	1/4	1/4		1/4	1/4
1/2	2,307.23	1/2	1,948.96	1/2	1,590.69	1/2	1,232.42	1/2	874.17	1/2	515.95	1/2	176.67	1/2	1/2	1/2		1/2	1/2
3/4	2,299.74	3/4	1,941.49	3/4	1,583.22	3/4	1,224.95	3/4	866.71	3/4	508.55	3/4	170.04	3/4	3/4	3/4		3/4	3/4
5	2,292.25	5	1,934.03	5	1,575.76	5	1,217.48	5	859.24	5	501.14	5	163.41	5	5	5		5	5
1/4	2,284.77	1/4	1,926.56	1/4	1,568.29	1/4	1,210.02	1/4	851.78	1/4	493.74	1/4	156.78	1/4	1/4	1/4		1/4	1/4
1/2	2,277.28	1/2	1,919.10	1/2	1,560.83	1/2	1,202.55	1/2	844.32	1/2	486.34	1/2	150.15	1/2	1/2	1/2		1/2	1/2
3/4	2,269.84	3/4	1,911.64	3/4	1,553.37	3/4	1,195.09	3/4	836.86	3/4	478.99	3/4	143.62	3/4	3/4	3/4		3/4	3/4
6	2,262.40	6	1,904.17	6	1,545.90	6	1,187.62	6	829.39	6	471.65	6	137.09	6	6	6		6	6
1/4	2,254.96	1/4	1,896.71	1/4	1,538.44	1/4	1,180.16	1/4	821.93	1/4	464.30	1/4	130.57	1/4	1/4	1/4		1/4	1/4
1/2	2,247.52	1/2	1,889.25	1/2	1,530.98	1/2	1,172.70	1/2	814.47	1/2	456.96	1/2	124.04	1/2	1/2	1/2		1/2	1/2
3/4	2,240.05	3/4	1,881.78	3/4	1,523.51	3/4	1,165.24	3/4	807.00	3/4	449.62	3/4	117.51	3/4	3/4	3/4		3/4	3/4
7	2,232.59	7	1,874.32	7	1,516.05	7	1,157.77	7	799.54	7	442.27	7	110.98	7	7	7		7	7
1/4	2,225.12	1/4	1,866.85	1/4	1,508.58	1/4	1,150.31	1/4	792.07	1/4	434.93	1/4	104.46	1/4	1/4	1/4		1/4	1/4
1/2	2,217.66	1/2	1,859.39	1/2	1,501.12	1/2	1,142.85	1/2	784.61	1/2	427.59	1/2	97.93	1/2	1/2	1/2		1/2	1/2
3/4	2,210.20	3/4	1,851.93	3/4	1,493.65	3/4	1,135.38	3/4	777.15	3/4	420.35	3/4	91.50	3/4	3/4	3/4		3/4	3/4
8	2,202.73	8	1,844.46	8	1,486.19	8	1,127.92	8	769.68	8	413.10	8	85.08	8	8	8		8	8
1/4	2,195.27	1/4	1,837.00	1/4	1,478.72	1/4	1,120.45	1/4	762.22	1/4	405.86	1/4	78.65	1/4	1/4	1/4		1/4	1/4
1/2	2,187.81	1/2	1,829.54	1/2	1,471.26	1/2	1,112.99	1/2	754.76	1/2	398.62	1/2	72.23	1/2	1/2	1/2		1/2	1/2
3/4	2,180.34	3/4	1,822.07	3/4	1,463.80	3/4	1,105.53	3/4	747.30	3/4	391.48	3/4	66.58	3/4	3/4	3/4		3/4	3/4
9	2,172.88	9	1,814.61	9	1,456.33	9	1,098.06	9	739.83	9	384.34	9	60.92	9	9	9		9	9
1/4	2,165.41	1/4	1,807.14	1/4	1,448.87	1/4	1,090.60	1/4	732.37	1/4	377.21	1/4	55.27	1/4	1/4	1/4		1/4	1/4
1/2	2,157.95	1/2	1,799.68	1/2	1,441.41	1/2	1,083.14	1/2	724.91	1/2	370.07	1/2	49.62	1/2	1/2	1/2		1/2	1/2
3/4	2,150.49	3/4	1,792.21	3/4	1,433.94	3/4	1,075.67	3/4	717.45	3/4	362.93	3/4	44.90	3/4	3/4	3/4		3/4	3/4
10	2,143.02	10	1,784.75	10	1,426.48	10	1,068.21	10	709.98	10	355.79	10	40.19	10	10	10		10	10
1/4	2,135.56	1/4	1,777.28	1/4	1,419.01	1/4	1,060.74	1/4	702.52	1/4	348.65	1/4	35.47	1/4	1/4	1/4		1/4	1/4
1/2	2,128.10	1/2	1,769.82	1/2	1,411.55	1/2	1,053.28	1/2	695.06	1/2	341.51	1/2	30.76	1/2	1/2	1/2		1/2	1/2
3/4	2,120.63	3/4	1,762.36	3/4	1,404.09	3/4	1,045.82	3/4	687.60	3/4	334.47	3/4	27.22	3/4	3/4	3/4		3/4	3/4
11	2,113.17	11	1,754.89	11	1,396.62	11	1,038.35	11	680.13	11	327.43	11	23.67	11	11	11		11	11
1/4	2,105.70	1/4	1,747.43	1/4	1,389.16	1/4	1,030.89	1/4	672.67	1/4	320.40	1/4	20.13	1/4	1/4	1/4		1/4	1/4
1/2	2,098.24	1/2	1,739.97	1/2	1,381.70	1/2	1,023.43	1/2	665.21	1/2	313.36	1/2	16.59	1/2	1/2	1/2		1/2	1/2
3/4	2,090.77	3/4	1,732.50	3/4	1,374.23	3/4	1,015.97	3/4	657.74	3/4	306.42	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,998.15	0	4,639.69	0	4,281.22	0	3,922.76	0	3,564.29	0	3,205.83	0	2,847.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,990.68	1/4	4,632.22	1/4	4,273.75	1/4	3,915.29	1/4	3,556.82	1/4	3,198.36	1/4	2,839.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.21	1/2	4,624.75	1/2	4,266.28	1/2	3,907.82	1/2	3,549.35	1/2	3,190.89	1/2	2,832.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,975.74	3/4	4,617.28	3/4	4,258.81	3/4	3,900.35	3/4	3,541.88	3/4	3,183.42	3/4	2,824.96		
1		1		1		1	4,609.28	1	4,609.81	1	4,251.35	1	3,892.89	1	3,534.42	1	3,175.96	1	2,817.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,960.81	1/4	4,602.34	1/4	4,243.88	1/4	3,885.42	1/4	3,526.95	1/4	3,168.49	1/4	2,810.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,953.34	1/2	4,594.87	1/2	4,236.41	1/2	3,877.95	1/2	3,519.48	1/2	3,161.02	1/2	2,802.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.87	3/4	4,587.40	3/4	4,228.94	3/4	3,870.48	3/4	3,512.01	3/4	3,153.55	3/4	2,795.08		
2		2		2		2	4,938.41	2	4,579.94	2	4,221.48	2	3,863.01	2	3,504.55	2	3,146.09	2	2,787.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.94	1/4	4,572.47	1/4	4,214.01	1/4	3,855.54	1/4	3,497.08	1/4	3,138.62	1/4	2,780.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.47	1/2	4,565.00	1/2	4,206.54	1/2	3,848.07	1/2	3,489.61	1/2	3,131.15	1/2	2,772.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,916.00	3/4	4,557.53	3/4	4,199.07	3/4	3,840.60	3/4	3,482.14	3/4	3,123.68	3/4	2,765.21		
3		3		3		3	4,908.53	3	4,550.07	3	4,191.61	3	3,833.14	3	3,474.68	3	3,116.21	3	2,757.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.06	1/4	4,542.60	1/4	4,184.14	1/4	3,825.67	1/4	3,467.21	1/4	3,108.74	1/4	2,750.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,893.59	1/2	4,535.13	1/2	4,176.67	1/2	3,818.20	1/2	3,459.74	1/2	3,101.27	1/2	2,742.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,886.12	3/4	4,527.66	3/4	4,169.20	3/4	3,810.73	3/4	3,452.27	3/4	3,093.80	3/4	2,735.34		
4		4		4		4	4,878.66	4	4,520.20	4	4,161.73	4	3,803.27	4	3,444.81	4	3,086.34	4	2,727.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,871.19	1/4	4,512.73	1/4	4,154.26	1/4	3,795.80	1/4	3,437.34	1/4	3,078.87	1/4	2,720.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.72	1/2	4,505.26	1/2	4,146.79	1/2	3,788.33	1/2	3,429.87	1/2	3,071.40	1/2	2,712.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.25	3/4	4,497.79	3/4	4,139.32	3/4	3,780.86	3/4	3,422.40	3/4	3,063.93	3/4	2,705.47		
5		5		5		5	4,848.79	5	4,490.33	5	4,131.86	5	3,773.40	5	3,414.93	5	3,056.47	5	2,698.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.32	1/4	4,482.86	1/4	4,124.39	1/4	3,765.93	1/4	3,407.46	1/4	3,049.00	1/4	2,690.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,110.30	1/2	4,833.85	1/2	4,475.39	1/2	4,116.92	1/2	3,758.46	1/2	3,399.99	1/2	3,041.53	1/2	2,683.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,109.46	3/4	4,826.38	3/4	4,467.92	3/4	4,109.45	3/4	3,750.99	3/4	3,392.52	3/4	3,034.06	3/4	2,675.60
6		6		6		6	4,818.92	6	4,460.45	6	4,101.99	6	3,743.53	6	3,385.06	6	3,026.60	6	2,668.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.77	1/4	4,811.45	1/4	4,452.98	1/4	4,094.52	1/4	3,736.06	1/4	3,377.59	1/4	3,019.13	1/4	2,660.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,106.93	1/2	4,803.98	1/2	4,445.51	1/2	4,087.05	1/2	3,728.59	1/2	3,370.12	1/2	3,011.66	1/2	2,653.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,104.89	3/4	4,796.51	3/4	4,438.04	3/4	4,079.58	3/4	3,721.12	3/4	3,362.65	3/4	3,004.19	3/4	2,645.72
7		7		7		7	4,792.86	7	4,789.05	7	4,430.58	7	4,072.12	7	3,713.65	7	3,355.19	7	2,996.73	7	2,638.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,100.82	1/4	4,781.58	1/4	4,423.11	1/4	4,064.65	1/4	3,706.18	1/4	3,347.72	1/4	2,989.26	1/4	2,630.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,098.78	1/2	4,774.11	1/2	4,415.64	1/2	4,057.18	1/2	3,698.71	1/2	3,340.25	1/2	2,981.79	1/2	2,623.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,095.38	3/4	4,766.64	3/4	4,408.17	3/4	4,049.71	3/4	3,691.24	3/4	3,332.78	3/4	2,974.32	3/4	2,615.85
8		8		8		8	5,091.99	8	4,759.17	8	4,400.71	8	4,042.25	8	3,683.78	8	3,325.32	8	2,966.85	8	2,608.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.59	1/4	4,751.70	1/4	4,393.24	1/4	4,034.78	1/4	3,676.31	1/4	3,317.85	1/4	2,959.38	1/4	2,600.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,085.19	1/2	4,744.23	1/2	4,385.77	1/2	4,027.31	1/2	3,668.84	1/2	3,310.38	1/2	2,951.91	1/2	2,593.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,080.43	3/4	4,736.76	3/4	4,378.30	3/4	4,019.84	3/4	3,661.37	3/4	3,302.91	3/4	2,944.44	3/4	2,585.98
9		9		9		9	5,075.67	9	4,729.30	9	4,370.84	9	4,012.37	9	3,653.91	9	3,295.45	9	2,936.98	9	2,578.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.90	1/4	4,721.83	1/4	4,363.37	1/4	4,004.90	1/4	3,646.44	1/4	3,287.98	1/4	2,929.51	1/4	2,571.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,066.14	1/2	4,714.36	1/2	4,355.90	1/2	3,997.43	1/2	3,638.97	1/2	3,280.51	1/2	2,922.04	1/2	2,563.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.01	3/4	4,706.89	3/4	4,348.43	3/4	3,989.96	3/4	3,631.50	3/4	3,273.04	3/4	2,914.57	3/4	2,556.11
10		10		10		10	5,053.89	10	4,699.43	10	4,340.97	10	3,982.50	10	3,624.04	10	3,265.57	10	2,907.11	10	2,548.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,047.76	1/4	4,691.96	1/4	4,333.50	1/4	3,975.03	1/4	3,616.57	1/4	3,258.10	1/4	2,899.64	1/4	2,541.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.63	1/2	4,684.49	1/2	4,326.03	1/2	3,967.56	1/2	3,609.10	1/2	3,250.63	1/2	2,892.17	1/2	2,533.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,034.49	3/4	4,677.02	3/4	4,318.56	3/4	3,960.09	3/4	3,601.63	3/4	3,243.16	3/4	2,884.70	3/4	2,526.24
11		11		11		11	5,027.36	11	4,669.56	11	4,311.09	11	3,952.63	11	3,594.17	11	3,235.70	11	2,877.24	11	2,518.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,020.22	1/4	4,662.09	1/4	4,303.62	1/4	3,945.16	1/4	3,586.70	1/4	3,228.23	1/4	2,869.77	1/4	2,511.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.08	1/2	4,654.62	1/2	4,296.15	1/2	3,937.69	1/2	3,579.23	1/2	3,220.76	1/2	2,862.30	1/2	2,503.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.61	3/4	4,647.15	3/4	4,288.68	3/4	3,930.22	3/4	3,571.76	3/4	3,213.29	3/4	2,854.83	3/4	2,496.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43' 03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30087"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,488.90	0	2,130.43	0	1,771.97	0	1,413.50	0	1,055.24	0	696.87	0	337.35	0		0		0	
1/4	2,481.43	1/4	2,122.97	1/4	1,764.50	1/4	1,406.04	1/4	1,047.79	1/4	689.38	1/4	329.86	1/4	1/4	1/4		1/4	1/4
1/2	2,473.96	1/2	2,115.50	1/2	1,757.03	1/2	1,398.57	1/2	1,040.33	1/2	681.89	1/2	322.37	1/2	1/2	1/2		1/2	1/2
3/4	2,466.49	3/4	2,108.03	3/4	1,749.56	3/4	1,391.10	3/4	1,032.87	3/4	674.40	3/4	314.88	3/4	3/4	3/4		3/4	3/4
1	2,459.03	1	2,100.56	1	1,742.09	1	1,383.63	1	1,025.41	1	666.91	1	307.39	1	1	1		1	1
1/4	2,451.56	1/4	2,093.10	1/4	1,734.63	1/4	1,376.17	1/4	1,017.95	1/4	659.42	1/4	299.90	1/4	1/4	1/4		1/4	1/4
1/2	2,444.09	1/2	2,085.63	1/2	1,727.16	1/2	1,368.70	1/2	1,010.49	1/2	651.93	1/2	292.41	1/2	1/2	1/2		1/2	1/2
3/4	2,436.62	3/4	2,078.16	3/4	1,719.69	3/4	1,361.23	3/4	1,003.03	3/4	644.44	3/4	284.92	3/4	3/4	3/4		3/4	3/4
2	2,429.16	2	2,070.69	2	1,712.22	2	1,353.76	2	995.57	2	636.95	2	277.43	2	2	2		2	2
1/4	2,421.69	1/4	2,063.22	1/4	1,704.76	1/4	1,346.30	1/4	988.12	1/4	629.46	1/4	269.94	1/4	1/4	1/4		1/4	1/4
1/2	2,414.23	1/2	2,055.75	1/2	1,697.29	1/2	1,338.83	1/2	980.66	1/2	621.97	1/2	262.45	1/2	1/2	1/2		1/2	1/2
3/4	2,406.76	3/4	2,048.28	3/4	1,689.82	3/4	1,331.36	3/4	973.20	3/4	614.48	3/4	254.96	3/4	3/4	3/4		3/4	3/4
3	2,399.29	3	2,040.81	3	1,682.35	3	1,323.89	3	965.74	3	606.99	3	247.47	3	3	3		3	3
1/4	2,391.82	1/4	2,033.35	1/4	1,674.89	1/4	1,316.42	1/4	958.29	1/4	599.50	1/4	239.98	1/4	1/4	1/4		1/4	1/4
1/2	2,384.35	1/2	2,025.88	1/2	1,667.42	1/2	1,308.95	1/2	950.83	1/2	592.01	1/2	232.49	1/2	1/2	1/2		1/2	1/2
3/4	2,376.88	3/4	2,018.41	3/4	1,659.95	3/4	1,301.48	3/4	943.37	3/4	584.52	3/4	225.00	3/4	3/4	3/4		3/4	3/4
4	2,369.41	4	2,010.94	4	1,652.48	4	1,294.01	4	935.91	4	577.03	4	217.51	4	4	4		4	4
1/4	2,361.94	1/4	2,003.48	1/4	1,645.02	1/4	1,286.55	1/4	928.46	1/4	569.54	1/4	210.02	1/4	1/4	1/4		1/4	1/4
1/2	2,354.47	1/2	1,996.01	1/2	1,637.55	1/2	1,279.08	1/2	921.00	1/2	562.05	1/2	202.53	1/2	1/2	1/2		1/2	1/2
3/4	2,347.00	3/4	1,988.54	3/4	1,630.08	3/4	1,271.61	3/4	913.54	3/4	554.56	3/4	195.04	3/4	3/4	3/4		3/4	3/4
5	2,339.54	5	1,981.07	5	1,622.61	5	1,264.14	5	906.08	5	547.07	5	187.55	5	5	5		5	5
1/4	2,332.07	1/4	1,973.61	1/4	1,615.14	1/4	1,256.68	1/4	898.63	1/4	539.58	1/4	180.06	1/4	1/4	1/4		1/4	1/4
1/2	2,324.60	1/2	1,966.14	1/2	1,607.67	1/2	1,249.21	1/2	891.17	1/2	532.09	1/2	172.57	1/2	1/2	1/2		1/2	1/2
3/4	2,317.13	3/4	1,958.67	3/4	1,600.20	3/4	1,241.74	3/4	883.71	3/4	524.60	3/4	165.08	3/4	3/4	3/4		3/4	3/4
6	2,309.66	6	1,951.20	6	1,592.73	6	1,234.27	6	876.25	6	517.11	6	157.59	6	6	6		6	6
1/4	2,302.20	1/4	1,943.74	1/4	1,585.27	1/4	1,226.81	1/4	868.79	1/4	509.62	1/4	150.10	1/4	1/4	1/4		1/4	1/4
1/2	2,294.73	1/2	1,936.27	1/2	1,577.80	1/2	1,219.34	1/2	861.33	1/2	502.13	1/2	142.61	1/2	1/2	1/2		1/2	1/2
3/4	2,287.26	3/4	1,928.80	3/4	1,570.33	3/4	1,211.88	3/4	853.87	3/4	494.64	3/4	135.12	3/4	3/4	3/4		3/4	3/4
7	2,279.79	7	1,921.33	7	1,562.86	7	1,204.41	7	846.41	7	487.15	7	127.63	7	7	7		7	7
1/4	2,272.33	1/4	1,913.86	1/4	1,555.40	1/4	1,196.95	1/4	838.96	1/4	479.66	1/4	120.14	1/4	1/4	1/4		1/4	1/4
1/2	2,264.86	1/2	1,906.39	1/2	1,547.93	1/2	1,189.49	1/2	831.50	1/2	472.17	1/2	112.65	1/2	1/2	1/2		1/2	1/2
3/4	2,257.39	3/4	1,898.92	3/4	1,540.46	3/4	1,182.03	3/4	824.04	3/4	464.68	3/4	105.16	3/4	3/4	3/4		3/4	3/4
8	2,249.92	8	1,891.45	8	1,532.99	8	1,174.57	8	816.58	8	457.19	8	97.67	8	8	8		8	8
1/4	2,242.46	1/4	1,883.99	1/4	1,525.53	1/4	1,167.11	1/4	809.13	1/4	449.70	1/4	90.18	1/4	1/4	1/4		1/4	1/4
1/2	2,234.99	1/2	1,876.52	1/2	1,518.06	1/2	1,159.65	1/2	801.67	1/2	442.21	1/2	82.69	1/2	1/2	1/2		1/2	1/2
3/4	2,227.52	3/4	1,869.05	3/4	1,510.59	3/4	1,152.19	3/4	794.19	3/4	434.72	3/4	76.05	3/4	3/4	3/4		3/4	3/4
9	2,220.05	9	1,861.58	9	1,503.12	9	1,144.73	9	786.72	9	427.23	9	69.41	9	9	9		9	9
1/4	2,212.58	1/4	1,854.12	1/4	1,495.66	1/4	1,137.28	1/4	779.24	1/4	419.74	1/4	62.78	1/4	1/4	1/4		1/4	1/4
1/2	2,205.11	1/2	1,846.65	1/2	1,488.19	1/2	1,129.82	1/2	771.77	1/2	412.25	1/2	56.14	1/2	1/2	1/2		1/2	1/2
3/4	2,197.64	3/4	1,839.18	3/4	1,480.72	3/4	1,122.36	3/4	764.28	3/4	404.76	3/4	50.70	3/4	3/4	3/4		3/4	3/4
10	2,190.17	10	1,831.71	10	1,473.25	10	1,114.90	10	756.79	10	397.27	10	45.25	10	10	10		10	10
1/4	2,182.71	1/4	1,824.25	1/4	1,465.78	1/4	1,107.45	1/4	749.30	1/4	389.78	1/4	39.81	1/4	1/4	1/4		1/4	1/4
1/2	2,175.24	1/2	1,816.78	1/2	1,458.31	1/2	1,099.99	1/2	741.81	1/2	382.29	1/2	34.37	1/2	1/2	1/2		1/2	1/2
3/4	2,167.77	3/4	1,809.31	3/4	1,450.84	3/4	1,092.53	3/4	734.32	3/4	374.80	3/4	30.29	3/4	3/4	3/4		3/4	3/4
11	2,160.30	11	1,801.84	11	1,443.37	11	1,085.07	11	726.83	11	367.31	11	26.21	11	11	11		11	11
1/4	2,152.84	1/4	1,794.38	1/4	1,435.91	1/4	1,077.62	1/4	719.34	1/4	359.82	1/4	22.13	1/4	1/4	1/4		1/4	1/4
1/2	2,145.37	1/2	1,786.91	1/2	1,428.44	1/2	1,070.16	1/2	711.85	1/2	352.33	1/2	18.05	1/2	1/2	1/2		1/2	1/2
3/4	2,137.90	3/4	1,779.44	3/4	1,420.97	3/4	1,062.70	3/4	704.36	3/4	344.84	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,998.15	0	4,639.69	0	4,281.22	0	3,922.76	0	3,564.29	0	3,205.83	0	2,847.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,990.68	1/4	4,632.22	1/4	4,273.75	1/4	3,915.29	1/4	3,556.82	1/4	3,198.36	1/4	2,839.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.21	1/2	4,624.75	1/2	4,266.28	1/2	3,907.82	1/2	3,549.35	1/2	3,190.89	1/2	2,832.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,975.74	3/4	4,617.28	3/4	4,258.81	3/4	3,900.35	3/4	3,541.88	3/4	3,183.42	3/4	2,824.96		
1		1		1		1	4,608.28	1	4,609.81	1	4,251.35	1	3,892.89	1	3,534.42	1	3,175.96	1	2,817.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,960.81	1/4	4,602.34	1/4	4,243.88	1/4	3,885.42	1/4	3,526.95	1/4	3,168.49	1/4	2,810.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,953.34	1/2	4,594.87	1/2	4,236.41	1/2	3,877.95	1/2	3,519.48	1/2	3,161.02	1/2	2,802.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.87	3/4	4,587.40	3/4	4,228.94	3/4	3,870.48	3/4	3,512.01	3/4	3,153.55	3/4	2,795.08		
2		2		2		2	4,938.41	2	4,579.94	2	4,221.48	2	3,863.01	2	3,504.55	2	3,146.09	2	2,787.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.94	1/4	4,572.47	1/4	4,214.01	1/4	3,855.54	1/4	3,497.08	1/4	3,138.62	1/4	2,780.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.47	1/2	4,565.00	1/2	4,206.54	1/2	3,848.07	1/2	3,489.61	1/2	3,131.15	1/2	2,772.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,916.00	3/4	4,557.53	3/4	4,199.07	3/4	3,840.60	3/4	3,482.14	3/4	3,123.68	3/4	2,765.21		
3		3		3		3	4,908.53	3	4,550.07	3	4,191.61	3	3,833.14	3	3,474.68	3	3,116.21	3	2,757.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.06	1/4	4,542.60	1/4	4,184.14	1/4	3,825.67	1/4	3,467.21	1/4	3,108.74	1/4	2,750.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,893.59	1/2	4,535.13	1/2	4,176.67	1/2	3,818.20	1/2	3,459.74	1/2	3,101.27	1/2	2,742.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,886.12	3/4	4,527.66	3/4	4,169.20	3/4	3,810.73	3/4	3,452.27	3/4	3,093.80	3/4	2,735.34		
4		4		4		4	4,878.66	4	4,520.20	4	4,161.73	4	3,803.27	4	3,444.81	4	3,086.34	4	2,727.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,871.19	1/4	4,512.73	1/4	4,154.26	1/4	3,795.80	1/4	3,437.34	1/4	3,078.87	1/4	2,720.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.72	1/2	4,505.26	1/2	4,146.79	1/2	3,788.33	1/2	3,429.87	1/2	3,071.40	1/2	2,712.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.25	3/4	4,497.79	3/4	4,139.32	3/4	3,780.86	3/4	3,422.40	3/4	3,063.93	3/4	2,705.47		
5		5		5		5	4,848.79	5	4,490.33	5	4,131.86	5	3,773.40	5	3,414.93	5	3,056.47	5	2,698.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.32	1/4	4,482.86	1/4	4,124.39	1/4	3,765.93	1/4	3,407.46	1/4	3,049.00	1/4	2,690.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,110.30	1/2	4,833.85	1/2	4,475.39	1/2	4,116.92	1/2	3,758.46	1/2	3,399.99	1/2	3,041.53	1/2	2,683.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,109.46	3/4	4,826.38	3/4	4,467.92	3/4	4,109.45	3/4	3,750.99	3/4	3,392.52	3/4	3,034.06	3/4	2,675.60
6		6		6		6	4,818.92	6	4,460.45	6	4,101.99	6	3,743.53	6	3,385.06	6	3,026.60	6	2,668.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.77	1/4	4,811.45	1/4	4,452.98	1/4	4,094.52	1/4	3,736.06	1/4	3,377.59	1/4	3,019.13	1/4	2,660.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,106.93	1/2	4,803.98	1/2	4,445.51	1/2	4,087.05	1/2	3,728.59	1/2	3,370.12	1/2	3,011.66	1/2	2,653.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,104.89	3/4	4,796.51	3/4	4,438.04	3/4	4,079.58	3/4	3,721.12	3/4	3,362.65	3/4	3,004.19	3/4	2,645.72
7		7		7		7	5,102.86	7	4,789.05	7	4,430.58	7	4,072.12	7	3,713.65	7	3,355.19	7	2,996.73	7	2,638.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,100.82	1/4	4,781.58	1/4	4,423.11	1/4	4,064.65	1/4	3,706.18	1/4	3,347.72	1/4	2,989.26	1/4	2,630.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,098.78	1/2	4,774.11	1/2	4,415.64	1/2	4,057.18	1/2	3,698.71	1/2	3,340.25	1/2	2,981.79	1/2	2,623.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,095.38	3/4	4,766.64	3/4	4,408.17	3/4	4,049.71	3/4	3,691.24	3/4	3,332.78	3/4	2,974.32	3/4	2,615.85
8		8		8		8	5,091.99	8	4,759.17	8	4,400.71	8	4,042.25	8	3,683.78	8	3,325.32	8	2,966.85	8	2,608.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.59	1/4	4,751.70	1/4	4,393.24	1/4	4,034.78	1/4	3,676.31	1/4	3,317.85	1/4	2,959.38	1/4	2,600.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,085.19	1/2	4,744.23	1/2	4,385.77	1/2	4,027.31	1/2	3,668.84	1/2	3,310.38	1/2	2,951.91	1/2	2,593.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,080.43	3/4	4,736.76	3/4	4,378.30	3/4	4,019.84	3/4	3,661.37	3/4	3,302.91	3/4	2,944.44	3/4	2,585.98
9		9		9		9	5,075.67	9	4,729.30	9	4,370.84	9	4,012.37	9	3,653.91	9	3,295.45	9	2,936.98	9	2,578.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.90	1/4	4,721.83	1/4	4,363.37	1/4	4,004.90	1/4	3,646.44	1/4	3,287.98	1/4	2,929.51	1/4	2,571.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,066.14	1/2	4,714.36	1/2	4,355.90	1/2	3,997.43	1/2	3,638.97	1/2	3,280.51	1/2	2,922.04	1/2	2,563.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.01	3/4	4,706.89	3/4	4,348.43	3/4	3,989.96	3/4	3,631.50	3/4	3,273.04	3/4	2,914.57	3/4	2,556.11
10		10		10		10	5,053.89	10	4,699.43	10	4,340.97	10	3,982.50	10	3,624.04	10	3,265.57	10	2,907.11	10	2,548.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,047.76	1/4	4,691.96	1/4	4,333.50	1/4	3,975.03	1/4	3,616.57	1/4	3,258.10	1/4	2,899.64	1/4	2,541.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.63	1/2	4,684.49	1/2	4,326.03	1/2	3,967.56	1/2	3,609.10	1/2	3,250.63	1/2	2,892.17	1/2	2,533.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,034.49	3/4	4,677.02	3/4	4,318.56	3/4	3,960.09	3/4	3,601.63	3/4	3,243.16	3/4	2,884.70	3/4	2,526.24
11		11		11		11	5,027.36	11	4,669.56	11	4,311.09	11	3,952.63	11	3,594.17	11	3,235.70	11	2,877.24	11	2,518.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,020.22	1/4	4,662.09	1/4	4,303.62	1/4	3,945.16	1/4	3,586.70	1/4	3,228.23	1/4	2,869.77	1/4	2,511.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.08	1/2	4,654.62	1/2	4,296.15	1/2	3,937.69	1/2	3,579.23	1/2	3,220.76	1/2	2,862.30	1/2	2,503.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.61	3/4	4,647.15	3/4	4,288.68	3/4	3,930.22	3/4	3,571.76	3/4	3,213.29	3/4	2,854.83	3/4	2,496.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43' 03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30087"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,488.90	0	2,130.43	0	1,771.97	0	1,413.50	0	1,055.24	0	696.87	0	337.35	0		0		0	
1/4	2,481.43	1/4	2,122.97	1/4	1,764.50	1/4	1,406.04	1/4	1,047.79	1/4	689.38	1/4	329.86	1/4	1/4	1/4		1/4	1/4
1/2	2,473.96	1/2	2,115.50	1/2	1,757.03	1/2	1,398.57	1/2	1,040.33	1/2	681.89	1/2	322.37	1/2	1/2	1/2		1/2	1/2
3/4	2,466.49	3/4	2,108.03	3/4	1,749.56	3/4	1,391.10	3/4	1,032.87	3/4	674.40	3/4	314.88	3/4	3/4	3/4		3/4	3/4
1	2,459.03	1	2,100.56	1	1,742.09	1	1,383.63	1	1,025.41	1	666.91	1	307.39	1	1	1		1	1
1/4	2,451.56	1/4	2,093.10	1/4	1,734.63	1/4	1,376.17	1/4	1,017.95	1/4	659.42	1/4	299.90	1/4	1/4	1/4		1/4	1/4
1/2	2,444.09	1/2	2,085.63	1/2	1,727.16	1/2	1,368.70	1/2	1,010.49	1/2	651.93	1/2	292.41	1/2	1/2	1/2		1/2	1/2
3/4	2,436.62	3/4	2,078.16	3/4	1,719.69	3/4	1,361.23	3/4	1,003.03	3/4	644.44	3/4	284.92	3/4	3/4	3/4		3/4	3/4
2	2,429.16	2	2,070.69	2	1,712.22	2	1,353.76	2	995.57	2	636.95	2	277.43	2	2	2		2	2
1/4	2,421.69	1/4	2,063.22	1/4	1,704.76	1/4	1,346.30	1/4	988.12	1/4	629.46	1/4	269.94	1/4	1/4	1/4		1/4	1/4
1/2	2,414.23	1/2	2,055.75	1/2	1,697.29	1/2	1,338.83	1/2	980.66	1/2	621.97	1/2	262.45	1/2	1/2	1/2		1/2	1/2
3/4	2,406.76	3/4	2,048.28	3/4	1,689.82	3/4	1,331.36	3/4	973.20	3/4	614.48	3/4	254.96	3/4	3/4	3/4		3/4	3/4
3	2,399.29	3	2,040.81	3	1,682.35	3	1,323.89	3	965.74	3	606.99	3	247.47	3	3	3		3	3
1/4	2,391.82	1/4	2,033.35	1/4	1,674.89	1/4	1,316.42	1/4	958.29	1/4	599.50	1/4	239.98	1/4	1/4	1/4		1/4	1/4
1/2	2,384.35	1/2	2,025.88	1/2	1,667.42	1/2	1,308.95	1/2	950.83	1/2	592.01	1/2	232.49	1/2	1/2	1/2		1/2	1/2
3/4	2,376.88	3/4	2,018.41	3/4	1,659.95	3/4	1,301.48	3/4	943.37	3/4	584.52	3/4	225.00	3/4	3/4	3/4		3/4	3/4
4	2,369.41	4	2,010.94	4	1,652.48	4	1,294.01	4	935.91	4	577.03	4	217.51	4	4	4		4	4
1/4	2,361.94	1/4	2,003.48	1/4	1,645.02	1/4	1,286.55	1/4	928.46	1/4	569.54	1/4	210.02	1/4	1/4	1/4		1/4	1/4
1/2	2,354.47	1/2	1,996.01	1/2	1,637.55	1/2	1,279.08	1/2	921.00	1/2	562.05	1/2	202.53	1/2	1/2	1/2		1/2	1/2
3/4	2,347.00	3/4	1,988.54	3/4	1,630.08	3/4	1,271.61	3/4	913.54	3/4	554.56	3/4	195.04	3/4	3/4	3/4		3/4	3/4
5	2,339.54	5	1,981.07	5	1,622.61	5	1,264.14	5	906.08	5	547.07	5	187.55	5	5	5		5	5
1/4	2,332.07	1/4	1,973.61	1/4	1,615.14	1/4	1,256.68	1/4	898.63	1/4	539.58	1/4	180.06	1/4	1/4	1/4		1/4	1/4
1/2	2,324.60	1/2	1,966.14	1/2	1,607.67	1/2	1,249.21	1/2	891.17	1/2	532.09	1/2	172.57	1/2	1/2	1/2		1/2	1/2
3/4	2,317.13	3/4	1,958.67	3/4	1,600.20	3/4	1,241.74	3/4	883.71	3/4	524.60	3/4	165.08	3/4	3/4	3/4		3/4	3/4
6	2,309.66	6	1,951.20	6	1,592.73	6	1,234.27	6	876.25	6	517.11	6	157.59	6	6	6		6	6
1/4	2,302.20	1/4	1,943.74	1/4	1,585.27	1/4	1,226.81	1/4	868.79	1/4	509.62	1/4	150.10	1/4	1/4	1/4		1/4	1/4
1/2	2,294.73	1/2	1,936.27	1/2	1,577.80	1/2	1,219.34	1/2	861.33	1/2	502.13	1/2	142.61	1/2	1/2	1/2		1/2	1/2
3/4	2,287.26	3/4	1,928.80	3/4	1,570.33	3/4	1,211.88	3/4	853.87	3/4	494.64	3/4	135.12	3/4	3/4	3/4		3/4	3/4
7	2,279.79	7	1,921.33	7	1,562.86	7	1,204.41	7	846.41	7	487.15	7	127.63	7	7	7		7	7
1/4	2,272.33	1/4	1,913.86	1/4	1,555.40	1/4	1,196.95	1/4	838.96	1/4	479.66	1/4	120.14	1/4	1/4	1/4		1/4	1/4
1/2	2,264.86	1/2	1,906.39	1/2	1,547.93	1/2	1,189.49	1/2	831.50	1/2	472.17	1/2	112.65	1/2	1/2	1/2		1/2	1/2
3/4	2,257.39	3/4	1,898.92	3/4	1,540.46	3/4	1,182.03	3/4	824.04	3/4	464.68	3/4	105.16	3/4	3/4	3/4		3/4	3/4
8	2,249.92	8	1,891.45	8	1,532.99	8	1,174.57	8	816.58	8	457.19	8	97.67	8	8	8		8	8
1/4	2,242.46	1/4	1,883.99	1/4	1,525.53	1/4	1,167.11	1/4	809.13	1/4	449.70	1/4	90.18	1/4	1/4	1/4		1/4	1/4
1/2	2,234.99	1/2	1,876.52	1/2	1,518.06	1/2	1,159.65	1/2	801.67	1/2	442.21	1/2	82.69	1/2	1/2	1/2		1/2	1/2
3/4	2,227.52	3/4	1,869.05	3/4	1,510.59	3/4	1,152.19	3/4	794.19	3/4	434.72	3/4	76.05	3/4	3/4	3/4		3/4	3/4
9	2,220.05	9	1,861.58	9	1,503.12	9	1,144.73	9	786.72	9	427.23	9	69.41	9	9	9		9	9
1/4	2,212.58	1/4	1,854.12	1/4	1,495.66	1/4	1,137.28	1/4	779.24	1/4	419.74	1/4	62.78	1/4	1/4	1/4		1/4	1/4
1/2	2,205.11	1/2	1,846.65	1/2	1,488.19	1/2	1,129.82	1/2	771.77	1/2	412.25	1/2	56.14	1/2	1/2	1/2		1/2	1/2
3/4	2,197.64	3/4	1,839.18	3/4	1,480.72	3/4	1,122.36	3/4	764.28	3/4	404.76	3/4	50.70	3/4	3/4	3/4		3/4	3/4
10	2,190.17	10	1,831.71	10	1,473.25	10	1,114.90	10	756.79	10	397.27	10	45.25	10	10	10		10	10
1/4	2,182.71	1/4	1,824.25	1/4	1,465.78	1/4	1,107.45	1/4	749.30	1/4	389.78	1/4	39.81	1/4	1/4	1/4		1/4	1/4
1/2	2,175.24	1/2	1,816.78	1/2	1,458.31	1/2	1,099.99	1/2	741.81	1/2	382.29	1/2	34.37	1/2	1/2	1/2		1/2	1/2
3/4	2,167.77	3/4	1,809.31	3/4	1,450.84	3/4	1,092.53	3/4	734.32	3/4	374.80	3/4	30.29	3/4	3/4	3/4		3/4	3/4
11	2,160.30	11	1,801.84	11	1,443.37	11	1,085.07	11	726.83	11	367.31	11	26.21	11	11	11		11	11
1/4	2,152.84	1/4	1,794.38	1/4	1,435.91	1/4	1,077.62	1/4	719.34	1/4	359.82	1/4	22.13	1/4	1/4	1/4		1/4	1/4
1/2	2,145.37	1/2	1,786.91	1/2	1,428.44	1/2	1,070.16	1/2	711.85	1/2	352.33	1/2	18.05	1/2	1/2	1/2		1/2	1/2
3/4	2,137.90	3/4	1,779.44	3/4	1,420.97	3/4	1,062.70	3/4	704.36	3/4	344.84	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30087"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,463.23		4,228.51		3,993.79		3,759.07		3,524.35		3,202.88		2,845.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,458.34	1/4	4,223.62	1/4	3,988.90	1/4	3,754.18	1/4	3,519.46	1/4	3,195.43	1/4	2,837.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,453.45	1/2	4,218.73	1/2	3,984.01	1/2	3,749.29	1/2	3,514.57	1/2	3,187.99	1/2	2,830.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,448.56	3/4	4,213.84	3/4	3,979.12	3/4	3,744.40	3/4	3,509.68	3/4	3,180.54	3/4	2,823.03		
1	1	1	1	1	1	1	4,443.67	1	4,208.95	1	3,974.23	1	3,739.51	1	3,504.50	1	3,173.09	1	2,815.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.78	1/4	4,204.06	1/4	3,969.34	1/4	3,734.62	1/4	3,499.33	1/4	3,165.64	1/4	2,808.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.89	1/2	4,199.17	1/2	3,964.45	1/2	3,729.73	1/2	3,494.15	1/2	3,158.19	1/2	2,800.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,429.00	3/4	4,194.28	3/4	3,959.56	3/4	3,724.84	3/4	3,488.98	3/4	3,150.74	3/4	2,793.24		
2	2	2	2	2	2	2	4,424.11	2	4,189.39	2	3,954.67	2	3,719.95	2	3,483.40	2	3,143.29	2	2,785.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,419.22	1/4	4,184.50	1/4	3,949.78	1/4	3,715.06	1/4	3,477.82	1/4	3,135.84	1/4	2,778.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.33	1/2	4,179.61	1/2	3,944.89	1/2	3,710.17	1/2	3,472.24	1/2	3,128.40	1/2	2,770.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.44	3/4	4,174.72	3/4	3,940.00	3/4	3,705.28	3/4	3,466.66	3/4	3,120.95	3/4	2,763.45		
3	3	3	3	3	3	3	4,404.55	3	4,169.83	3	3,935.11	3	3,700.39	3	3,460.61	3	3,113.50	3	2,756.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.65	1/4	4,164.94	1/4	3,930.22	1/4	3,695.50	1/4	3,454.56	1/4	3,106.05	1/4	2,748.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,394.76	1/2	4,160.05	1/2	3,925.33	1/2	3,690.61	1/2	3,448.52	1/2	3,098.61	1/2	2,741.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.86	3/4	4,155.16	3/4	3,920.44	3/4	3,685.72	3/4	3,442.47	3/4	3,091.16	3/4	2,733.66		
4	4	4	4	4	4	4	4,384.98	4	4,150.27	4	3,915.55	4	3,680.83	4	3,435.96	4	3,083.71	4	2,726.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.09	1/4	4,145.38	1/4	3,910.66	1/4	3,675.94	1/4	3,429.44	1/4	3,076.26	1/4	2,718.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.21	1/2	4,140.49	1/2	3,905.77	1/2	3,671.05	1/2	3,422.93	1/2	3,068.82	1/2	2,711.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,370.32	3/4	4,135.60	3/4	3,900.88	3/4	3,666.16	3/4	3,416.42	3/4	3,061.37	3/4	2,703.86		
5	5	5	5	5	5	5	4,365.43	5	4,130.71	5	3,895.99	5	3,661.27	5	3,409.45	5	3,053.92	5	2,696.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.54	1/4	4,125.82	1/4	3,891.10	1/4	3,656.38	1/4	3,402.49	1/4	3,046.47	1/4	2,688.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.65	1/2	4,120.93	1/2	3,886.21	1/2	3,651.49	1/2	3,395.52	1/2	3,039.03	1/2	2,681.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,350.76	3/4	4,116.04	3/4	3,881.32	3/4	3,646.60	3/4	3,388.56	3/4	3,031.58	3/4	2,674.07		
6	6	6	4,531.61	6	4,345.87	6	4,111.15	6	3,876.43	6	3,641.71	6	3,381.24	6	3,024.13	6	2,666.62	6	2,666.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.98	1/4	4,106.26	1/4	3,871.54	1/4	3,636.82	1/4	3,373.92	1/4	3,016.68	1/4	2,659.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.97	1/2	4,336.09	1/2	4,101.37	1/2	3,866.65	1/2	3,631.93	1/2	3,366.61	1/2	3,009.23	1/2	2,651.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.42	3/4	4,331.20	3/4	4,096.48	3/4	3,861.76	3/4	3,627.04	3/4	3,359.29	3/4	3,001.78	3/4	2,644.28
7	7	7	4,528.09	7	4,326.31	7	4,091.59	7	4,091.59	7	3,856.87	7	3,622.15	7	3,351.84	7	2,994.33	7	2,636.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,321.42	1/4	4,086.70	1/4	3,851.98	1/4	3,617.26	1/4	3,344.39	1/4	2,986.88	1/4	2,629.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.44	1/2	4,316.53	1/2	4,081.81	1/2	3,847.09	1/2	3,612.37	1/2	3,336.95	1/2	2,979.44	1/2	2,621.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,324.11	3/4	4,311.64	3/4	4,076.92	3/4	3,842.20	3/4	3,607.48	3/4	3,329.50	3/4	2,971.99	3/4	2,614.49
8	8	8	4,521.89	8	4,306.75	8	4,072.03	8	4,072.03	8	3,837.31	8	3,602.59	8	3,322.05	8	2,964.54	8	2,607.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.67	1/4	4,301.86	1/4	4,067.14	1/4	3,832.42	1/4	3,597.70	1/4	3,314.60	1/4	2,959.09	1/4	2,599.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.45	1/2	4,296.97	1/2	4,062.25	1/2	3,827.53	1/2	3,592.81	1/2	3,307.15	1/2	2,949.65	1/2	2,592.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.23	3/4	4,292.08	3/4	4,057.36	3/4	3,822.64	3/4	3,587.92	3/4	3,299.70	3/4	2,942.20	3/4	2,584.70
9	9	9	4,512.12	9	4,287.19	9	4,052.47	9	4,052.47	9	3,817.75	9	3,583.03	9	3,292.25	9	2,934.75	9	2,577.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.01	1/4	4,282.30	1/4	4,047.58	1/4	3,812.86	1/4	3,578.14	1/4	3,284.80	1/4	2,927.30	1/4	2,569.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.90	1/2	4,277.41	1/2	4,042.69	1/2	3,807.97	1/2	3,573.25	1/2	3,277.36	1/2	2,919.86	1/2	2,562.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.79	3/4	4,272.52	3/4	4,037.80	3/4	3,803.08	3/4	3,568.36	3/4	3,269.91	3/4	2,912.41	3/4	2,554.90
10	10	10	4,498.79	10	4,267.63	10	4,032.91	10	4,032.91	10	3,798.19	10	3,563.47	10	3,262.46	10	2,904.96	10	2,547.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,294.79	1/4	4,262.74	1/4	4,028.02	1/4	3,793.30	1/4	3,558.58	1/4	3,255.01	1/4	2,897.51	1/4	2,540.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,290.79	1/2	4,257.85	1/2	4,023.13	1/2	3,788.41	1/2	3,553.69	1/2	3,247.57	1/2	2,890.07	1/2	2,532.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.79	3/4	4,252.96	3/4	4,018.24	3/4	3,783.52	3/4	3,548.80	3/4	3,240.12	3/4	2,882.62	3/4	2,525.11
11	11	11	4,482.12	11	4,248.07	11	4,013.35	11	4,013.35	11	3,778.63	11	3,543.91	11	3,232.67	11	2,875.17	11	2,517.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.46	1/4	4,243.18	1/4	4,008.46	1/4	3,773.74	1/4	3,539.02	1/4	3,225.22	1/4	2,867.72	1/4	2,510.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.79	1/2	4,238.29	1/2	4,003.57	1/2	3,768.85	1/2	3,534.13	1/2	3,217.78	1/2	2,860.27	1/2	2,502.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.12	3/4	4,233.40	3/4	3,998.68	3/4	3,763.96	3/4	3,529.24	3/4	3,210.33	3/4	2,852.82	3/4	2,495.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30087"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,487.87	0	2,130.37	0	1,772.86	0	1,415.36	0	1,057.85	0	700.20	0	342.85	0	≡	0		0	
1/4	2,480.42	1/4	2,122.92	1/4	1,765.41	1/4	1,407.91	1/4	1,050.40	1/4	692.80	1/4	335.40	1/4		1/4		1/4	
1/2	2,472.98	1/2	2,115.47	1/2	1,757.97	1/2	1,400.47	1/2	1,042.96	1/2	685.41	1/2	327.95	1/2		1/2		1/2	
3/4	2,465.53	3/4	2,108.02	3/4	1,750.52	3/4	1,393.02	3/4	1,035.51	3/4	678.01	3/4	320.50	3/4		3/4		3/4	
1	2,458.08	1	2,100.57	1	1,743.07	1	1,385.57	1	1,028.06	1	670.56	1	313.05	1		1		1	
1/4	2,450.63	1/4	2,093.12	1/4	1,735.62	1/4	1,378.12	1/4	1,020.61	1/4	663.11	1/4	305.60	1/4		1/4		1/4	
1/2	2,443.19	1/2	2,085.68	1/2	1,728.18	1/2	1,370.67	1/2	1,013.17	1/2	655.67	1/2	298.16	1/2		1/2		1/2	
3/4	2,435.74	3/4	2,078.23	3/4	1,720.73	3/4	1,363.22	3/4	1,005.72	3/4	648.22	3/4	290.71	3/4		3/4		3/4	
2	2,428.29	2	2,070.78	2	1,713.28	2	1,355.77	2	998.27	2	640.77	2	283.26	2		2		2	
1/4	2,420.84	1/4	2,063.33	1/4	1,705.83	1/4	1,348.32	1/4	990.82	1/4	633.32	1/4	275.81	1/4		1/4		1/4	
1/2	2,413.39	1/2	2,055.89	1/2	1,698.39	1/2	1,340.88	1/2	983.38	1/2	625.87	1/2	268.37	1/2		1/2		1/2	
3/4	2,405.94	3/4	2,048.44	3/4	1,690.94	3/4	1,333.43	3/4	975.93	3/4	618.42	3/4	260.92	3/4		3/4		3/4	
3	2,398.49	3	2,040.99	3	1,683.49	3	1,325.98	3	968.48	3	610.97	3	253.47	3		3		3	
1/4	2,391.04	1/4	2,033.54	1/4	1,676.04	1/4	1,318.53	1/4	961.03	1/4	603.52	1/4	246.02	1/4		1/4		1/4	
1/2	2,383.60	1/2	2,026.10	1/2	1,668.59	1/2	1,311.09	1/2	953.59	1/2	596.08	1/2	238.58	1/2		1/2		1/2	
3/4	2,376.15	3/4	2,018.65	3/4	1,661.14	3/4	1,303.64	3/4	946.14	3/4	588.63	3/4	231.13	3/4		3/4		3/4	
4	2,368.70	4	2,011.20	4	1,653.69	4	1,296.19	4	938.69	4	581.18	4	223.68	4		4		4	
1/4	2,361.25	1/4	2,003.75	1/4	1,646.24	1/4	1,288.74	1/4	931.24	1/4	573.73	1/4	216.23	1/4		1/4		1/4	
1/2	2,353.81	1/2	1,996.31	1/2	1,638.80	1/2	1,281.30	1/2	923.79	1/2	566.29	1/2	208.79	1/2		1/2		1/2	
3/4	2,346.36	3/4	1,988.86	3/4	1,631.35	3/4	1,273.85	3/4	916.34	3/4	558.84	3/4	201.34	3/4		3/4		3/4	
5	2,338.91	5	1,981.41	5	1,623.90	5	1,266.40	5	908.89	5	551.39	5	193.89	5		5		5	
1/4	2,331.46	1/4	1,973.96	1/4	1,616.45	1/4	1,258.95	1/4	901.44	1/4	543.94	1/4	186.44	1/4		1/4		1/4	
1/2	2,324.02	1/2	1,966.51	1/2	1,609.01	1/2	1,251.51	1/2	894.00	1/2	536.50	1/2	178.99	1/2		1/2		1/2	
3/4	2,316.57	3/4	1,959.06	3/4	1,601.56	3/4	1,244.06	3/4	886.55	3/4	529.05	3/4	171.54	3/4		3/4		3/4	
6	2,309.12	6	1,951.61	6	1,594.11	6	1,236.61	6	879.10	6	521.60	6	164.09	6		6		6	
1/4	2,301.67	1/4	1,944.16	1/4	1,586.66	1/4	1,229.16	1/4	871.65	1/4	514.15	1/4	156.64	1/4		1/4		1/4	
1/2	2,294.23	1/2	1,936.72	1/2	1,579.22	1/2	1,221.71	1/2	864.21	1/2	506.71	1/2	149.20	1/2		1/2		1/2	
3/4	2,286.78	3/4	1,929.27	3/4	1,571.77	3/4	1,214.26	3/4	856.76	3/4	499.26	3/4	141.75	3/4		3/4		3/4	
7	2,279.33	7	1,921.82	7	1,564.32	7	1,206.81	7	849.31	7	491.81	7	134.30	7		7		7	
1/4	2,271.88	1/4	1,914.37	1/4	1,556.87	1/4	1,199.36	1/4	841.86	1/4	484.36	1/4	126.85	1/4		1/4		1/4	
1/2	2,264.43	1/2	1,906.93	1/2	1,549.43	1/2	1,191.92	1/2	834.42	1/2	476.91	1/2	119.41	1/2		1/2		1/2	
3/4	2,256.98	3/4	1,899.48	3/4	1,541.98	3/4	1,184.47	3/4	826.97	3/4	469.46	3/4	111.96	3/4		3/4		3/4	
8	2,249.53	8	1,892.03	8	1,534.53	8	1,177.02	8	819.52	8	462.01	8	106.37	8		8		8	
1/4	2,242.08	1/4	1,884.58	1/4	1,527.08	1/4	1,169.57	1/4	812.07	1/4	454.56	1/4	100.79	1/4		1/4		1/4	
1/2	2,234.64	1/2	1,877.14	1/2	1,519.63	1/2	1,162.13	1/2	804.63	1/2	447.12	1/2	95.20	1/2		1/2		1/2	
3/4	2,227.19	3/4	1,869.69	3/4	1,512.18	3/4	1,154.68	3/4	797.18	3/4	439.67	3/4	89.62	3/4		3/4		3/4	
9	2,219.74	9	1,862.24	9	1,504.73	9	1,147.23	9	789.73	9	432.22	9	81.16	9		9		9	
1/4	2,212.29	1/4	1,854.79	1/4	1,497.28	1/4	1,139.78	1/4	782.28	1/4	424.77	1/4	72.70	1/4		1/4		1/4	
1/2	2,204.85	1/2	1,847.35	1/2	1,489.84	1/2	1,132.34	1/2	774.83	1/2	417.33	1/2	64.25	1/2		1/2		1/2	
3/4	2,197.40	3/4	1,839.90	3/4	1,482.39	3/4	1,124.89	3/4	767.38	3/4	409.88	3/4	55.79	3/4		3/4		3/4	
10	2,189.95	10	1,832.45	10	1,474.94	10	1,117.44	10	759.93	10	402.43	10	50.38	10		10		10	
1/4	2,182.50	1/4	1,825.00	1/4	1,467.49	1/4	1,109.99	1/4	752.48	1/4	394.98	1/4	44.97	1/4		1/4		1/4	
1/2	2,175.06	1/2	1,817.55	1/2	1,460.05	1/2	1,102.55	1/2	745.04	1/2	387.54	1/2	39.56	1/2		1/2		1/2	
3/4	2,167.61	3/4	1,810.10	3/4	1,452.60	3/4	1,095.10	3/4	737.59	3/4	380.09	3/4	34.15	3/4		3/4		3/4	
11	2,160.16	11	1,802.65	11	1,445.15	11	1,087.65	11	730.09	11	372.64	11	30.10	11		11		11	
1/4	2,152.71	1/4	1,795.20	1/4	1,437.70	1/4	1,080.20	1/4	722.59	1/4	365.19	1/4	26.05	1/4		1/4		1/4	
1/2	2,145.27	1/2	1,787.76	1/2	1,430.26	1/2	1,072.75	1/2	715.10	1/2	357.75	1/2	22.00	1/2		1/2		1/2	
3/4	2,137.82	3/4	1,780.31	3/4	1,422.81	3/4	1,065.30	3/4	707.60	3/4	350.30	3/4	17.95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,458.34		4,223.62		3,988.90		3,754.18		3,519.46		3,195.43		2,837.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.45	1/4	4,218.73	1/4	3,984.01	1/4	3,749.29	1/4	3,514.57	1/4	3,187.99	1/4	2,830.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.56	1/2	4,213.84	1/2	3,979.12	1/2	3,744.40	1/2	3,509.68	1/2	3,180.54	1/2	2,823.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,443.67	3/4	4,208.95	3/4	3,974.23	3/4	3,739.51	3/4	3,504.51	3/4	3,173.09	3/4	2,815.58		
1	1	1	1	1	1	1	4,438.78	1	4,204.06	1	3,969.34	1	3,734.62	1	3,499.33	1	3,165.64	1	2,808.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,433.89	1/4	4,199.17	1/4	3,964.45	1/4	3,729.73	1/4	3,494.16	1/4	3,158.19	1/4	2,800.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,429.00	1/2	4,194.28	1/2	3,959.56	1/2	3,724.84	1/2	3,488.98	1/2	3,150.74	1/2	2,793.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,424.11	3/4	4,189.39	3/4	3,954.67	3/4	3,719.95	3/4	3,483.40	3/4	3,143.29	3/4	2,785.79		
2	2	2	2	2	2	2	4,419.22	2	4,184.50	2	3,949.78	2	3,715.06	2	3,477.82	2	3,135.84	2	2,778.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,414.33	1/4	4,179.61	1/4	3,944.89	1/4	3,710.17	1/4	3,472.24	1/4	3,128.40	1/4	2,770.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.44	1/2	4,174.72	1/2	3,940.00	1/2	3,705.28	1/2	3,466.66	1/2	3,120.95	1/2	2,763.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,404.55	3/4	4,169.83	3/4	3,935.11	3/4	3,700.39	3/4	3,460.61	3/4	3,113.50	3/4	2,756.00		
3	3	3	3	3	3	3	4,399.66	3	4,164.93	3	3,930.22	3	3,695.50	3	3,454.57	3	3,106.05	3	2,748.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.77	1/4	4,160.04	1/4	3,925.33	1/4	3,690.61	1/4	3,448.52	1/4	3,098.61	1/4	2,741.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,389.88	1/2	4,155.15	1/2	3,920.44	1/2	3,685.72	1/2	3,442.47	1/2	3,091.16	1/2	2,733.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.99	3/4	4,150.26	3/4	3,915.55	3/4	3,680.83	3/4	3,435.96	3/4	3,083.71	3/4	2,726.21		
4	4	4	4	4	4	4	4,380.10	4	4,145.37	4	3,910.66	4	3,675.94	4	3,429.45	4	3,076.26	4	2,718.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.21	1/4	4,140.49	1/4	3,905.77	1/4	3,671.05	1/4	3,422.93	1/4	3,068.82	1/4	2,711.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.32	1/2	4,135.60	1/2	3,900.88	1/2	3,666.16	1/2	3,416.42	1/2	3,061.37	1/2	2,703.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.43	3/4	4,130.71	3/4	3,895.97	3/4	3,661.27	3/4	3,409.46	3/4	3,053.92	3/4	2,696.41		
5	5	5	5	5	5	5	4,360.54	5	4,125.82	5	3,891.05	5	3,656.38	5	3,402.49	5	3,046.47	5	2,688.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.65	1/4	4,120.93	1/4	3,886.14	1/4	3,651.49	1/4	3,395.53	1/4	3,039.03	1/4	2,681.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.61	1/2	4,350.76	1/2	4,116.04	1/2	3,881.23	1/2	3,646.60	1/2	3,388.56	1/2	3,031.58	1/2	2,674.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.06	3/4	4,345.87	3/4	4,111.15	3/4	3,876.36	3/4	3,641.71	3/4	3,381.24	3/4	3,024.13	3/4	2,666.62
6	6	6	6	6	6	6	4,530.52	6	4,340.98	6	4,106.26	6	3,871.49	6	3,636.82	6	3,373.92	6	3,016.68	6	2,659.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,529.97	1/4	4,336.09	1/4	4,101.37	1/4	3,866.63	1/4	3,631.93	1/4	3,366.61	1/4	3,009.23	1/4	2,651.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,529.42	1/2	4,331.20	1/2	4,096.48	1/2	3,861.76	1/2	3,627.04	1/2	3,359.29	1/2	3,001.78	1/2	2,644.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.09	3/4	4,326.31	3/4	4,091.59	3/4	3,856.87	3/4	3,622.15	3/4	3,351.84	3/4	2,994.33	3/4	2,636.83
7	7	7	7	7	7	7	4,526.77	7	4,321.42	7	4,086.70	7	3,851.98	7	3,617.26	7	3,344.39	7	2,986.88	7	2,629.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,525.44	1/4	4,316.53	1/4	4,081.81	1/4	3,847.09	1/4	3,612.37	1/4	3,336.95	1/4	2,979.44	1/4	2,621.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,524.11	1/2	4,311.64	1/2	4,076.92	1/2	3,842.20	1/2	3,607.48	1/2	3,329.50	1/2	2,971.99	1/2	2,614.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,521.89	3/4	4,306.75	3/4	4,072.03	3/4	3,837.31	3/4	3,602.59	3/4	3,322.05	3/4	2,964.54	3/4	2,607.04
8	8	8	8	8	8	8	4,519.67	8	4,301.86	8	4,067.14	8	3,832.42	8	3,597.70	8	3,314.60	8	2,957.09	8	2,599.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,517.45	1/4	4,296.97	1/4	4,062.25	1/4	3,827.53	1/4	3,592.81	1/4	3,307.15	1/4	2,949.65	1/4	2,592.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,515.23	1/2	4,292.08	1/2	4,057.36	1/2	3,822.64	1/2	3,587.92	1/2	3,299.70	1/2	2,942.20	1/2	2,584.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,512.12	3/4	4,287.19	3/4	4,052.47	3/4	3,817.75	3/4	3,583.03	3/4	3,292.25	3/4	2,934.75	3/4	2,577.25
9	9	9	9	9	9	9	4,509.01	9	4,282.30	9	4,047.58	9	3,812.86	9	3,578.14	9	3,284.80	9	2,927.30	9	2,569.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,505.90	1/4	4,277.41	1/4	4,042.69	1/4	3,807.97	1/4	3,573.25	1/4	3,277.36	1/4	2,919.86	1/4	2,562.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,502.79	1/2	4,272.52	1/2	4,037.80	1/2	3,803.08	1/2	3,568.36	1/2	3,269.91	1/2	2,912.41	1/2	2,554.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,498.79	3/4	4,267.63	3/4	4,032.91	3/4	3,798.19	3/4	3,563.47	3/4	3,262.46	3/4	2,904.96	3/4	2,547.45
10	10	10	10	10	10	10	4,494.79	10	4,262.74	10	4,028.02	10	3,793.30	10	3,558.58	10	3,255.01	10	2,897.51	10	2,540.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.79	1/4	4,257.85	1/4	4,023.13	1/4	3,788.41	1/4	3,553.69	1/4	3,247.57	1/4	2,890.07	1/4	2,532.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,486.79	1/2	4,252.96	1/2	4,018.24	1/2	3,783.52	1/2	3,548.80	1/2	3,240.12	1/2	2,882.62	1/2	2,525.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,482.12	3/4	4,248.07	3/4	4,013.35	3/4	3,778.63	3/4	3,543.91	3/4	3,232.67	3/4	2,875.17	3/4	2,517.66
11	11	11	11	11	11	11	4,477.46	11	4,243.18	11	4,008.46	11	3,773.74	11	3,539.02	11	3,225.22	11	2,867.72	11	2,510.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,472.79	1/4	4,238.29	1/4	4,003.57	1/4	3,768.85	1/4	3,534.13	1/4	3,217.78	1/4	2,860.27	1/4	2,502.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,468.12	1/2	4,233.40	1/2	3,998.68	1/2	3,763.96	1/2	3,529.24	1/2	3,210.33	1/2	2,852.82	1/2	2,495.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.23	3/4	4,228.51	3/4	3,993.79	3/4	3,759.07	3/4	3,524.35	3/4	3,202.88	3/4	2,845.37	3/4	2,487.87

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC CLOSED GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42' 09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3018"

GAUGE HEIGHT 16-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,480.42	0	2,122.92	0	1,765.41	0	1,407.81	0	1,050.40	0	692.90	0	335.40	0		0		0	
1/4	2,472.98	1/4	2,115.47	1/4	1,757.97	1/4	1,400.42	1/4	1,042.96	1/4	685.46	1/4	327.95	1/4	1/4		1/4		1/4
1/2	2,465.53	1/2	2,108.02	1/2	1,750.52	1/2	1,393.02	1/2	1,035.51	1/2	678.01	1/2	320.50	1/2	1/2		1/2		1/2
3/4	2,458.08	3/4	2,100.57	3/4	1,743.07	3/4	1,385.57	3/4	1,028.06	3/4	670.56	3/4	313.05	3/4	3/4		3/4		3/4
1	2,450.63	1	2,093.12	1	1,735.62	1	1,378.12	1	1,020.61	1	663.11	1	305.60	1	1		1		1
1/4	2,443.19	1/4	2,085.68	1/4	1,728.18	1/4	1,370.67	1/4	1,013.17	1/4	655.67	1/4	298.16	1/4	1/4		1/4		1/4
1/2	2,435.74	1/2	2,078.23	1/2	1,720.73	1/2	1,363.22	1/2	1,005.72	1/2	648.22	1/2	290.71	1/2	1/2		1/2		1/2
3/4	2,428.29	3/4	2,070.78	3/4	1,713.28	3/4	1,355.77	3/4	998.27	3/4	640.77	3/4	283.26	3/4	3/4		3/4		3/4
2	2,420.84	2	2,063.33	2	1,705.83	2	1,348.32	2	990.82	2	633.32	2	275.81	2	2		2		2
1/4	2,413.39	1/4	2,055.89	1/4	1,698.39	1/4	1,340.88	1/4	983.38	1/4	625.87	1/4	268.37	1/4	1/4		1/4		1/4
1/2	2,405.94	1/2	2,048.44	1/2	1,690.94	1/2	1,333.43	1/2	975.93	1/2	618.42	1/2	260.92	1/2	1/2		1/2		1/2
3/4	2,398.49	3/4	2,040.99	3/4	1,683.49	3/4	1,325.98	3/4	968.48	3/4	610.95	3/4	253.47	3/4	3/4		3/4		3/4
3	2,391.04	3	2,033.54	3	1,676.04	3	1,318.53	3	961.03	3	603.47	3	246.02	3	3		3		3
1/4	2,383.60	1/4	2,026.10	1/4	1,668.59	1/4	1,311.09	1/4	953.59	1/4	596.00	1/4	238.58	1/4	1/4		1/4		1/4
1/2	2,376.15	1/2	2,018.65	1/2	1,661.14	1/2	1,303.64	1/2	946.14	1/2	588.53	1/2	231.13	1/2	1/2		1/2		1/2
3/4	2,368.70	3/4	2,011.20	3/4	1,653.69	3/4	1,296.19	3/4	938.69	3/4	581.11	3/4	223.68	3/4	3/4		3/4		3/4
4	2,361.25	4	2,003.75	4	1,646.24	4	1,288.74	4	931.24	4	573.68	4	216.23	4	4		4		4
1/4	2,353.81	1/4	1,996.31	1/4	1,638.80	1/4	1,281.30	1/4	923.79	1/4	566.26	1/4	208.79	1/4	1/4		1/4		1/4
1/2	2,346.36	1/2	1,988.86	1/2	1,631.35	1/2	1,273.85	1/2	916.34	1/2	558.84	1/2	201.34	1/2	1/2		1/2		1/2
3/4	2,338.91	3/4	1,981.41	3/4	1,623.90	3/4	1,266.40	3/4	908.89	3/4	551.39	3/4	193.89	3/4	3/4		3/4		3/4
5	2,331.46	5	1,973.96	5	1,616.45	5	1,258.95	5	901.44	5	543.94	5	186.44	5	5		5		5
1/4	2,324.02	1/4	1,966.51	1/4	1,609.01	1/4	1,251.51	1/4	894.00	1/4	536.50	1/4	178.99	1/4	1/4		1/4		1/4
1/2	2,316.57	1/2	1,959.06	1/2	1,601.56	1/2	1,244.06	1/2	886.55	1/2	529.05	1/2	171.54	1/2	1/2		1/2		1/2
3/4	2,309.12	3/4	1,951.61	3/4	1,594.11	3/4	1,236.61	3/4	879.10	3/4	521.60	3/4	164.09	3/4	3/4		3/4		3/4
6	2,301.67	6	1,944.16	6	1,586.66	6	1,229.16	6	871.65	6	514.15	6	156.64	6	6		6		6
1/4	2,294.23	1/4	1,936.72	1/4	1,579.22	1/4	1,221.71	1/4	864.21	1/4	506.71	1/4	149.20	1/4	1/4		1/4		1/4
1/2	2,286.78	1/2	1,929.27	1/2	1,571.77	1/2	1,214.26	1/2	856.76	1/2	499.26	1/2	141.75	1/2	1/2		1/2		1/2
3/4	2,279.33	3/4	1,921.82	3/4	1,564.32	3/4	1,206.81	3/4	849.31	3/4	491.81	3/4	134.30	3/4	3/4		3/4		3/4
7	2,271.88	7	1,914.37	7	1,556.87	7	1,199.36	7	841.86	7	484.36	7	126.85	7	7		7		7
1/4	2,264.43	1/4	1,906.93	1/4	1,549.43	1/4	1,191.92	1/4	834.42	1/4	476.91	1/4	119.41	1/4	1/4		1/4		1/4
1/2	2,256.98	1/2	1,899.48	1/2	1,541.98	1/2	1,184.47	1/2	826.97	1/2	469.46	1/2	111.96	1/2	1/2		1/2		1/2
3/4	2,249.53	3/4	1,892.03	3/4	1,534.53	3/4	1,177.02	3/4	819.52	3/4	462.01	3/4	104.51	3/4	3/4		3/4		3/4
8	2,242.08	8	1,884.58	8	1,527.08	8	1,169.57	8	812.07	8	454.56	8	97.06	8	8		8		8
1/4	2,234.64	1/4	1,877.14	1/4	1,519.63	1/4	1,162.13	1/4	804.63	1/4	447.12	1/4	89.62	1/4	1/4		1/4		1/4
1/2	2,227.19	1/2	1,869.69	1/2	1,512.18	1/2	1,154.68	1/2	797.18	1/2	439.67	1/2	82.17	1/2	1/2		1/2		1/2
3/4	2,219.74	3/4	1,862.24	3/4	1,504.73	3/4	1,147.23	3/4	789.73	3/4	432.22	3/4	75.57	3/4	3/4		3/4		3/4
9	2,212.29	9	1,854.79	9	1,497.28	9	1,139.78	9	782.28	9	424.77	9	68.98	9	9		9		9
1/4	2,204.85	1/4	1,847.35	1/4	1,489.84	1/4	1,132.34	1/4	774.83	1/4	417.33	1/4	62.38	1/4	1/4		1/4		1/4
1/2	2,197.40	1/2	1,839.90	1/2	1,482.39	1/2	1,124.89	1/2	767.38	1/2	409.88	1/2	55.79	1/2	1/2		1/2		1/2
3/4	2,189.95	3/4	1,832.45	3/4	1,474.94	3/4	1,117.44	3/4	759.93	3/4	402.43	3/4	50.38	3/4	3/4		3/4		3/4
10	2,182.50	10	1,825.00	10	1,467.49	10	1,109.99	10	752.48	10	394.98	10	44.97	10	10		10		10
1/4	2,175.06	1/4	1,817.55	1/4	1,460.05	1/4	1,102.55	1/4	745.04	1/4	387.54	1/4	39.56	1/4	1/4		1/4		1/4
1/2	2,167.61	1/2	1,810.10	1/2	1,452.60	1/2	1,095.10	1/2	737.59	1/2	380.09	1/2	34.15	1/2	1/2		1/2		1/2
3/4	2,160.16	3/4	1,802.65	3/4	1,445.10	3/4	1,087.65	3/4	730.14	3/4	372.64	3/4	30.10	3/4	3/4		3/4		3/4
11	2,152.71	11	1,795.20	11	1,437.60	11	1,080.20	11	722.69	11	365.19	11	26.05	11	11		11		11
1/4	2,145.27	1/4	1,787.76	1/4	1,430.11	1/4	1,072.75	1/4	715.25	1/4	357.75	1/4	22.00	1/4	1/4		1/4		1/4
1/2	2,137.82	1/2	1,780.31	1/2	1,422.61	1/2	1,065.30	1/2	707.80	1/2	350.30	1/2	17.95	1/2	1/2		1/2		1/2
3/4	2,130.37	3/4	1,772.86	3/4	1,415.21	3/4	1,057.85	3/4	700.35	3/4	342.85	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 04/04/2023 JS
NAME CHANGE: 04/04/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	375	0	751	0	1,126	0	1,501	0		0		0		0		0	
1/4	8	1/4	383	1/4	759	1/4	1,134	1/4	1,509	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	391	1/2	766	1/2	1,142	1/2	1,517	1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	399	3/4	774	3/4	1,149	3/4	1,525	3/4		3/4		3/4		3/4		3/4	
1	31	1	407	1	782	1	1,157	1	1,533	1		1		1		1		1	
1/4	39	1/4	414	1/4	790	1/4	1,165	1/4	1,540	1/4		1/4		1/4		1/4		1/4	
1/2	47	1/2	422	1/2	798	1/2	1,173	1/2	1,548	1/2		1/2		1/2		1/2		1/2	
3/4	55	3/4	430	3/4	805	3/4	1,181	3/4	1,556	3/4		3/4		3/4		3/4		3/4	
2	63	2	438	2	813	2	1,189	2	1,564	2		2		2		2		2	
1/4	70	1/4	446	1/4	821	1/4	1,196	1/4	1,572	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	454	1/2	829	1/2	1,204	1/2	1,580	1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	461	3/4	837	3/4	1,212	3/4	1,587	3/4		3/4		3/4		3/4		3/4	
3	94	3	469	3	845	3	1,220	3	1,595	3		3		3		3		3	
1/4	102	1/4	477	1/4	852	1/4	1,228	1/4	1,603	1/4		1/4		1/4		1/4		1/4	
1/2	109	1/2	485	1/2	860	1/2	1,235	1/2	1,611	1/2		1/2		1/2		1/2		1/2	
3/4	117	3/4	493	3/4	868	3/4	1,243	3/4	1,619	3/4		3/4		3/4		3/4		3/4	
4	125	4	500	4	876	4	1,251	4	1,626	4		4		4		4		4	
1/4	133	1/4	508	1/4	884	1/4	1,259	1/4	1,634	1/4		1/4		1/4		1/4		1/4	
1/2	141	1/2	516	1/2	891	1/2	1,267	1/2	1,642	1/2		1/2		1/2		1/2		1/2	
3/4	149	3/4	524	3/4	899	3/4	1,275	3/4	1,650	3/4		3/4		3/4		3/4		3/4	
5	156	5	532	5	907	5	1,282	5	1,658	5		5		5		5		5	
1/4	164	1/4	540	1/4	915	1/4	1,290	1/4	1,666	1/4		1/4		1/4		1/4		1/4	
1/2	172	1/2	547	1/2	923	1/2	1,298	1/2	1,673	1/2		1/2		1/2		1/2		1/2	
3/4	180	3/4	555	3/4	931	3/4	1,306	3/4	1,681	3/4		3/4		3/4		3/4		3/4	
6	188	6	563	6	938	6	1,314	6	1,689	6		6		6		6		6	
1/4	195	1/4	571	1/4	946	1/4	1,322	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	203	1/2	579	1/2	954	1/2	1,329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	586	3/4	962	3/4	1,337	3/4		3/4		3/4		3/4		3/4		3/4	
7	219	7	594	7	970	7	1,345	7		7		7		7		7		7	
1/4	227	1/4	602	1/4	977	1/4	1,353	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	235	1/2	610	1/2	985	1/2	1,361	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	618	3/4	993	3/4	1,368	3/4		3/4		3/4		3/4		3/4		3/4	
8	250	8	626	8	1,001	8	1,376	8		8		8		8		8		8	
1/4	258	1/4	633	1/4	1,009	1/4	1,384	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	266	1/2	641	1/2	1,017	1/2	1,392	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	274	3/4	649	3/4	1,024	3/4	1,400	3/4		3/4		3/4		3/4		3/4		3/4	
9	282	9	657	9	1,032	9	1,408	9		9		9		9		9		9	
1/4	289	1/4	665	1/4	1,040	1/4	1,415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	297	1/2	672	1/2	1,048	1/2	1,423	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	305	3/4	680	3/4	1,056	3/4	1,431	3/4		3/4		3/4		3/4		3/4		3/4	
10	313	10	688	10	1,063	10	1,439	10		10		10		10		10		10	
1/4	321	1/4	696	1/4	1,071	1/4	1,447	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	328	1/2	704	1/2	1,079	1/2	1,454	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	336	3/4	712	3/4	1,087	3/4	1,462	3/4		3/4		3/4		3/4		3/4		3/4	
11	344	11	719	11	1,095	11	1,470	11		11		11		11		11		11	
1/4	352	1/4	727	1/4	1,103	1/4	1,478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	360	1/2	735	1/2	1,110	1/2	1,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	368	3/4	743	3/4	1,118	3/4	1,494	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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PRINTED: 03/24/2023 CL

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ALL PRIOR TO 03/2023

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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 30087"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	960	0	1,921	0	2,881	0	3,841	0		0		0		0		0	
1/4	20	1/4	980	1/4	1,941	1/4	2,901	1/4	3,861	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	1,000	1/2	1,961	1/2	2,921	1/2	3,881	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	1,020	3/4	1,981	3/4	2,941	3/4	3,901	3/4		3/4		3/4		3/4		3/4	
1	80	1	1,040	1	2,001	1	2,961	1	3,921	1		1		1		1		1	
1/4	100	1/4	1,060	1/4	2,021	1/4	2,981	1/4	3,941	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,080	1/2	2,041	1/2	3,001	1/2	3,961	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	1,100	3/4	2,061	3/4	3,021	3/4	3,981	3/4		3/4		3/4		3/4		3/4	
2	160	2	1,120	2	2,081	2	3,041	2	4,001	2		2		2		2		2	
1/4	180	1/4	1,140	1/4	2,101	1/4	3,061	1/4	4,021	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	1,160	1/2	2,121	1/2	3,081	1/2	4,041	1/2		1/2		1/2		1/2		1/2	
3/4	220	3/4	1,180	3/4	2,141	3/4	3,101	3/4	4,061	3/4		3/4		3/4		3/4		3/4	
3	240	3	1,200	3	2,161	3	3,121	3	4,081	3		3		3		3		3	
1/4	260	1/4	1,220	1/4	2,181	1/4	3,141	1/4	4,101	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	1,240	1/2	2,201	1/2	3,161	1/2	4,121	1/2		1/2		1/2		1/2		1/2	
3/4	300	3/4	1,260	3/4	2,221	3/4	3,181	3/4	4,141	3/4		3/4		3/4		3/4		3/4	
4	320	4	1,280	4	2,241	4	3,201	4	4,161	4		4		4		4		4	
1/4	340	1/4	1,300	1/4	2,261	1/4	3,221	1/4	4,181	1/4		1/4		1/4		1/4		1/4	
1/2	360	1/2	1,320	1/2	2,281	1/2	3,241	1/2	4,201	1/2		1/2		1/2		1/2		1/2	
3/4	380	3/4	1,340	3/4	2,301	3/4	3,261	3/4	4,221	3/4		3/4		3/4		3/4		3/4	
5	400	5	1,360	5	2,321	5	3,281	5	4,242	5		5		5		5		5	
1/4	420	1/4	1,380	1/4	2,341	1/4	3,301	1/4	4,254	1/4		1/4		1/4		1/4		1/4	
1/2	440	1/2	1,400	1/2	2,361	1/2	3,321	1/2	4,267	1/2		1/2		1/2		1/2		1/2	
3/4	460	3/4	1,421	3/4	2,381	3/4	3,341	3/4	4,279	3/4		3/4		3/4		3/4		3/4	
6	480	6	1,441	6	2,401	6	3,361	6	4,292	6		6		6		6		6	
1/4	500	1/4	1,461	1/4	2,421	1/4	3,381	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	520	1/2	1,481	1/2	2,441	1/2	3,401	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	540	3/4	1,501	3/4	2,461	3/4	3,421	3/4		3/4		3/4		3/4		3/4		3/4	
7	560	7	1,521	7	2,481	7	3,441	7		7		7		7		7		7	
1/4	580	1/4	1,541	1/4	2,501	1/4	3,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	600	1/2	1,561	1/2	2,521	1/2	3,481	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	620	3/4	1,581	3/4	2,541	3/4	3,501	3/4		3/4		3/4		3/4		3/4		3/4	
8	640	8	1,601	8	2,561	8	3,521	8		8		8		8		8		8	
1/4	660	1/4	1,621	1/4	2,581	1/4	3,541	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	680	1/2	1,641	1/2	2,601	1/2	3,561	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	700	3/4	1,661	3/4	2,621	3/4	3,581	3/4		3/4		3/4		3/4		3/4		3/4	
9	720	9	1,681	9	2,641	9	3,601	9		9		9		9		9		9	
1/4	740	1/4	1,701	1/4	2,661	1/4	3,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	760	1/2	1,721	1/2	2,681	1/2	3,641	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	780	3/4	1,741	3/4	2,701	3/4	3,661	3/4		3/4		3/4		3/4		3/4		3/4	
10	800	10	1,761	10	2,721	10	3,681	10		10		10		10		10		10	
1/4	820	1/4	1,781	1/4	2,741	1/4	3,701	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	840	1/2	1,801	1/2	2,761	1/2	3,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	860	3/4	1,821	3/4	2,781	3/4	3,741	3/4		3/4		3/4		3/4		3/4		3/4	
11	880	11	1,841	11	2,801	11	3,761	11		11		11		11		11		11	
1/4	900	1/4	1,861	1/4	2,821	1/4	3,781	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	920	1/2	1,881	1/2	2,841	1/2	3,801	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	1,901	3/4	2,861	3/4	3,821	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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 Pearland, Texas 77588
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BARGE "KIRBY 30087"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	960	0	1,921	0	2,881	0	3,841	0		0		0		0		0	
1/4	20	1/4	980	1/4	1,941	1/4	2,901	1/4	3,861	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	1,000	1/2	1,961	1/2	2,921	1/2	3,881	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	1,020	3/4	1,981	3/4	2,941	3/4	3,901	3/4		3/4		3/4		3/4		3/4	
1	80	1	1,040	1	2,001	1	2,961	1	3,921	1		1		1		1		1	
1/4	100	1/4	1,060	1/4	2,021	1/4	2,981	1/4	3,941	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,080	1/2	2,041	1/2	3,001	1/2	3,961	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	1,100	3/4	2,061	3/4	3,021	3/4	3,981	3/4		3/4		3/4		3/4		3/4	
2	160	2	1,120	2	2,081	2	3,041	2	4,001	2		2		2		2		2	
1/4	180	1/4	1,140	1/4	2,101	1/4	3,061	1/4	4,021	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	1,160	1/2	2,121	1/2	3,081	1/2	4,041	1/2		1/2		1/2		1/2		1/2	
3/4	220	3/4	1,180	3/4	2,141	3/4	3,101	3/4	4,061	3/4		3/4		3/4		3/4		3/4	
3	240	3	1,200	3	2,161	3	3,121	3	4,081	3		3		3		3		3	
1/4	260	1/4	1,220	1/4	2,181	1/4	3,141	1/4	4,101	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	1,240	1/2	2,201	1/2	3,161	1/2	4,121	1/2		1/2		1/2		1/2		1/2	
3/4	300	3/4	1,260	3/4	2,221	3/4	3,181	3/4	4,141	3/4		3/4		3/4		3/4		3/4	
4	320	4	1,280	4	2,241	4	3,201	4	4,161	4		4		4		4		4	
1/4	340	1/4	1,300	1/4	2,261	1/4	3,221	1/4	4,181	1/4		1/4		1/4		1/4		1/4	
1/2	360	1/2	1,320	1/2	2,281	1/2	3,241	1/2	4,201	1/2		1/2		1/2		1/2		1/2	
3/4	380	3/4	1,340	3/4	2,301	3/4	3,261	3/4	4,221	3/4		3/4		3/4		3/4		3/4	
5	400	5	1,360	5	2,321	5	3,281	5	4,242	5		5		5		5		5	
1/4	420	1/4	1,380	1/4	2,341	1/4	3,301	1/4	4,254	1/4		1/4		1/4		1/4		1/4	
1/2	440	1/2	1,400	1/2	2,361	1/2	3,321	1/2	4,267	1/2		1/2		1/2		1/2		1/2	
3/4	460	3/4	1,421	3/4	2,381	3/4	3,341	3/4	4,279	3/4		3/4		3/4		3/4		3/4	
6	480	6	1,441	6	2,401	6	3,361	6	4,292	6		6		6		6		6	
1/4	500	1/4	1,461	1/4	2,421	1/4	3,381	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	520	1/2	1,481	1/2	2,441	1/2	3,401	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	540	3/4	1,501	3/4	2,461	3/4	3,421	3/4		3/4		3/4		3/4		3/4		3/4	
7	560	7	1,521	7	2,481	7	3,441	7		7		7		7		7		7	
1/4	580	1/4	1,541	1/4	2,501	1/4	3,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	600	1/2	1,561	1/2	2,521	1/2	3,481	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	620	3/4	1,581	3/4	2,541	3/4	3,501	3/4		3/4		3/4		3/4		3/4		3/4	
8	640	8	1,601	8	2,561	8	3,521	8		8		8		8		8		8	
1/4	660	1/4	1,621	1/4	2,581	1/4	3,541	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	680	1/2	1,641	1/2	2,601	1/2	3,561	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	700	3/4	1,661	3/4	2,621	3/4	3,581	3/4		3/4		3/4		3/4		3/4		3/4	
9	720	9	1,681	9	2,641	9	3,601	9		9		9		9		9		9	
1/4	740	1/4	1,701	1/4	2,661	1/4	3,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	760	1/2	1,721	1/2	2,681	1/2	3,641	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	780	3/4	1,741	3/4	2,701	3/4	3,661	3/4		3/4		3/4		3/4		3/4		3/4	
10	800	10	1,761	10	2,721	10	3,681	10		10		10		10		10		10	
1/4	820	1/4	1,781	1/4	2,741	1/4	3,701	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	840	1/2	1,801	1/2	2,761	1/2	3,721	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	860	3/4	1,821	3/4	2,781	3/4	3,741	3/4		3/4		3/4		3/4		3/4		3/4	
11	880	11	1,841	11	2,801	11	3,761	11		11		11		11		11		11	
1/4	900	1/4	1,861	1/4	2,821	1/4	3,781	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	920	1/2	1,881	1/2	2,841	1/2	3,801	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	1,901	3/4	2,861	3/4	3,821	3/4		3/4		3/4		3/4		3/4		3/4	

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